

10/11/13

CONCESSION AGREEMENT FOR MECHANISATION OF COAL
HANDLING FACILITIES AND UP GRADATION OF GENERAL CARGO
BERTH (GCB) AT OUTER HARBOUR OF VISAKHAPATNAM PORT TO
CATER 200,000 DWT VESSELS ON DBFOT BASIS.

CONCESSION AGREEMENT

BETWEEN

**BOARD OF TRUSTEES FOR VISAKHAPATNAM PORT
(THE CONCESSIONING AUTHORITY)**

AND

VIZAG GENERAL CARGO BERTH PRIVATE LIMITED

(THE CONCESSIONAIRE)

FOR

**MECHANISATION OF COAL HANDLING FACILITIES
AND UPGRADATION OF GENERAL CARGO BERTH (GCB)
AT OUTER HARBOUR OF VISAKHAPATNAM PORT TO CATER TO
200,000 DWT VESSELS ON DBFOT BASIS**

Dated June 10, 2010

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10/11/2013

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Dated June 10, 2010

CONCESSION AGREEMENT

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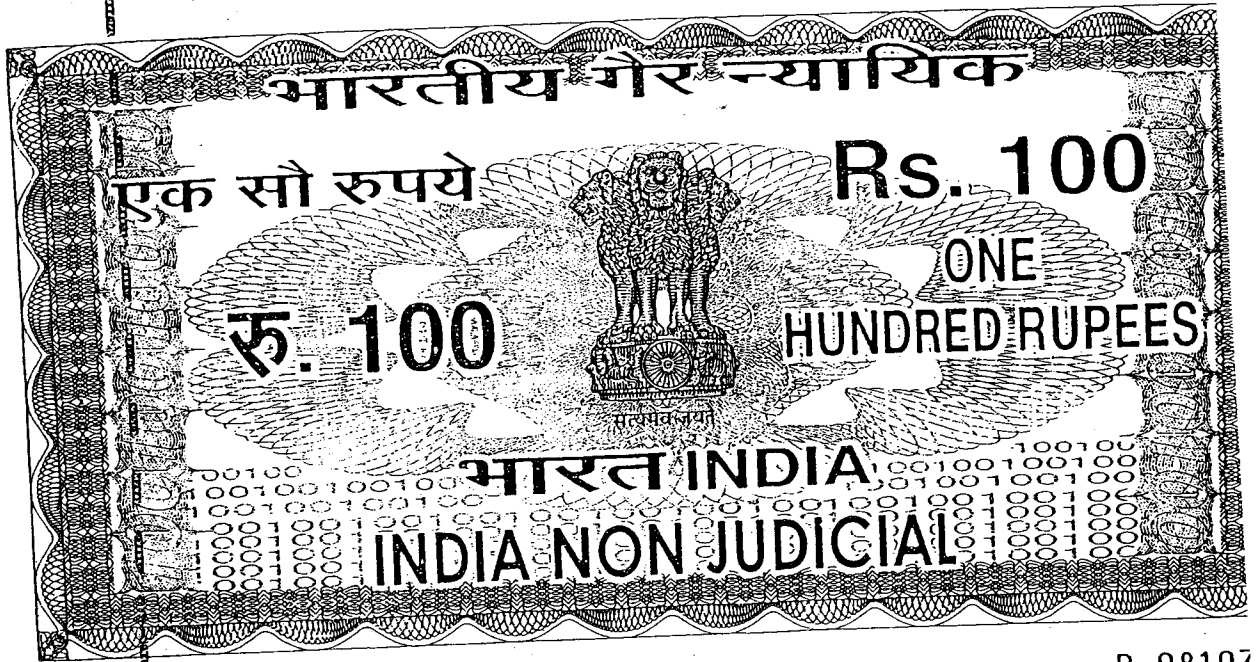
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M/S. Vizag General Cargo
Tuticorin

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CONCESSION AGREEMENT

THIS CONCESSION AGREEMENT is made at Visakhapatnam, Andhra Pradesh on this 10th day of June 2010

BETWEEN:

BOARD OF TRUSTEES for VISAKHAPATNAM PORT, a body corporate constituted under the provisions of the Major Port Trusts Act, 1963 and having its Administrative Office at Visakhapatnam-530 035-Andhra Pradesh hereinafter referred to as "the Concessioneing Authority" (which expression shall, unless repugnant to the context or meaning thereof, include its successors and permitted assigns);

AND

For Vizag General Cargo Berth Private Limited

Authorised Signatory

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Dy. Chairman / उपाध्यक्ष
विशाखपट्टनम पोर्ट ट्रस्ट
Visakhapatnam Port Trust

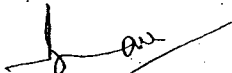
VIZAG GENERAL CARGO BERTH PRIVATE LIMITED, a company registered under the Companies Act, 1956, and having its registered office at SIPCOT INDUSTRIAL COMPLEX, Madurai Bypass Road, T.V. Puram P.O, Tuticorin- 628,002

hereinafter referred to as "the Concessionaire" (which expression shall, unless repugnant to the context or meaning thereof, include its successors and permitted assigns).

WHEREAS:

- (A) The Concessioneing Authority is desirous of implementing a Project (as defined hereinafter) for planning, engineering, designing, finance, construction, development, operation & maintenance of Mechanization of GCB in outer harbour of Visakhapatnam Port for handling coking coal and steam coal on DBFOT basis through private sector participation;
- (B) In or about September, 2008 the Concessioneing Authority invited applications from the interested parties in accordance with the Request for Qualification (as defined hereinafter), to shortlist competent parties that can subsequently bid for the Project;
- (C) In response to the invitation referred to in recital 'B' above, the Concessioneing Authority received applications from various parties including the application dated 06.11.2008 submitted by the Consortium in accordance with the Request for Qualification;
- (D) The Concessioneing Authority, after evaluating all the applications, short-listed 6 (six) number of applicants including the Consortium and invited proposals from them in accordance with the Request for Proposal (as defined hereinafter), for implementing the Project;
- (E) In response to the Request for Proposal, the Concessioneing Authority received proposals from the shortlisted applicants including the one submitted by the Consortium;
- (F) The Concessioneing Authority, after evaluating all the proposals received by it from the shortlisted applicants, accepted the proposal referred to in recital "E" above submitted by the Consortium and communicated its acceptance to the Consortium vide Letter of Intent for Award of Concession ICME/MOF/GCB/2010 dated 01.03.2010.

For Vizag General Cargo Berth Private Limited



Authorized Signatory

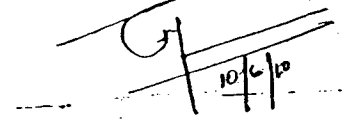
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Dy. Chairman
विशखपट्टणम पोर्ट ट्रस्ट
Visakhapatnam Port Trust

- (G) The Consortium has / have incorporated the Concessionaire as a Special Purpose Company in India, under the Companies Act, 1956 to implement the Project;
- (H) Following the issue of the Letter of Intent for Award of Concession, the Concessioning Authority has agreed to grant the Concession to the Concessionaire to implement the Project on the terms, conditions and covenants hereinafter set forth in this Agreement.

For Vizag General Cargo Berth Private Limited



Authorised Signatory



Dy. Chairman / उपाध्यक्ष
विशाखपट्टनम पोर्ट ट्रस्ट
Visakhapatnam Port Trust

NOW, THIS AGREEMENT WITNESSETH AS FOLLOWS:

ARTICLE 1

DEFINITIONS AND INTERPRETATION

1.1 Definitions

In this Agreement, unless the context otherwise requires the following terms shall have the following meanings assigned / ascribed thereto: -

"Actual Project Cost" means the actual capital cost incurred by the Concessionaire on the Project and / or the Project Facilities and Services as certified by the Statutory Auditor and if the same exceeds the Estimated Project Cost and/or does not form part of the Financing Plan submitted prior to Financial Close, the amount of the Estimated Project Cost or in the Financing Plan as the case may be increased by the amount(s) approved in writing by the Concessioneing Authority.

"Additional Auditor" has the meaning ascribed to it in Article 9.4.

"Additional Cost" means the additional capital expenditure which the Concessionaire has or would be required to incur and which has arisen as a result of Change in Law.

"Affiliate" means, with respect to any Party and / or with respect to the Applicant and / or with respect to any member of Consortium, any other Person directly or indirectly controlling, controlled by or under common control with such Party, Applicant and / or member of Consortium. For the purposes of this definition, the term "control" (including with correlative meaning, the terms "controlled by" and "under common control with") as applied to any Party or Applicant or a member of Consortium, means the possession, directly or indirectly, of the power to direct or cause the direction of the management of that Party or Applicant or a member of Consortium whether through ownership of 50 (fifty) % or more of the voting securities, by contract, or otherwise.

"Agreement" means this agreement as of date hereof, including Appendices 1 through 17 as may be amended, supplemented or modified in accordance with the provisions hereof.

"Appendix" means the schedules, supplements or documents, appended to this Agreement.

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"Applicable Laws" means all laws in force and effect as of the date hereof and which may be promulgated or brought into force and effect hereinafter in India, including statutes, rules, regulations, directions, bye-laws, notifications, ordinances and judgments having force of law, or any final interpretation by a Court of Law having jurisdiction over the matter in question as may be in force and effect during the subsistence of this Agreement.

"Applicable Permits" means any and all permissions, clearances, licenses, authorizations, consents, no-objections, approvals and exemptions under or pursuant to any of the Applicable Laws or from any Government Authority required in connection with the Project and for undertaking, performing or discharging the obligations contemplated by this Agreement or any other Transaction Document.

"Applicant" means VIZAG GENERAL CARGO BERTH PRIVATE LIMITED, a company registered under the Companies Act, 1956, and having its registered office at SIPCOT INDUSTRIAL COMPLEX, Madurai Bypass Road, T.V. Puram P.O, Tuticorin- 628 002

"Access / Entrance channel" means the waterway that gives access or passage to harbour, channels, berths etc. Visakhapatnam Port has an Outer entrance channel, which is located on the east side of the breakwaters.

"Bid" means the proposal and the entire set of documents submitted by the Applicant and / or the Consortium in response to the RFQ and the RFP.

"Bid Security" means the bank guarantee No.2010004IBGB0024 issued by M/s IDBI Bank, Nariman Point, Mumbai, dated 10.02.2010 furnished by the Applicant / Consortium along with its Bid.

"Board" means the Board of Trustees for the Port of Visakhapatnam

"Book Value" means the aggregate written down value as on the date of issue of the Termination Notice in the books of the Concessionaire of (i) the tangible assets (including capital works in progress) forming part of, fixed or attached to the ground, created, installed or provided by the Concessionaire and comprised in Project Facilities and Services, which in the reasonable judgment of an Expert are capable of being put to use / utilized by the Concessioneing Authority, and (ii) the moveable

assets including cargo handling equipment belonging to the Concessionaire, which the Concessioneing Authority agrees to take over, in accordance with Indian Accounting Standards using depreciation rates as set forth in the (Indian) Companies Act, 1956, as applicable from time to time.

"Change in Law" shall have the meaning set out under Article 13.1 of this Agreement.

"Change of Scope" shall have the meaning assigned to it under Article 6.8(a).

"Change of Scope Notice" shall have the meaning assigned to it under Article 6.8(b).

"Completion Certificate" shall have the meaning assigned to it under Article 6.3.

"Concession" means the Concession granted by the Concessioneing Authority to the Concessionaire in accordance with the provisions of Article 2.1 of this Agreement for implementing the Project and providing Project Facilities and Services.

"Concessioneing Authority Event of Default" shall have the meaning as set out under Article 15.1(b).

"Concessionaire Event of Default" shall have the meaning as set out under Article 15.1 (a).

"Concession Period" means the period of the Concession specified in Article 2.2 of this Agreement.

"Conditions Precedent" shall mean the conditions prescribed in Article 3 of this Agreement.

"Consortium" means the consortium consisting of Sterlite Industries (India) Limited and Leighton Contractors India Private Limited formed to implement the Project.

"Construction Phase" means the period from the Date of Award of Concession to the Date of Commercial Operation.

"Construction Works" means all works, equipments and things necessary to complete the Project and provide the Project Facilities and Services in accordance with this Agreement.

"Construction Standards" means the construction standards set out in the annexure to Appendix 4.

"Consultation Notice" has the meaning ascribed to it in Article 15.3.

"Contractor" means a person with whom the Concessionaire has entered into / may enter into a contract relating to the execution of any works and / or operation and maintenance of the Project Facilities and Services, including the Management Contractor.

"Date of Award of Concession" means the date when the Conditions Precedent have either been satisfied or waived by the Party other than the Party responsible for satisfying the same.

"Date of Commercial Operation" means the date on which the Concessionaire receives the Completion Certificate in accordance with the provisions of this Agreement / MPT Act.

"Day" means the 24 (twenty four) hour period beginning and ending at 12:00 midnight Indian Standard Time.

"Debt Due" means the aggregate of the following sums representing the amounts advanced by the Lenders towards Actual Project Cost, expressed in Indian rupees as may be outstanding and payable to the Lenders under the Financing Documents on the Transfer Date:

- (a) the principal amount of the debt including any subordinated debt provided by the Lenders under the Financing Documents for financing the Project ("the Principal") but excluding (i) working capital loans; (ii) any part of the Principal that had fallen due for repayment one year prior to the Transfer Date, if the Transfer Date is related to expiry of the Concession Period or any part of the Principal that had fallen due prior to the Transfer Date, if the Transfer Date is related to termination prior to the expiry of the

Concession Period; and (iii) any debt that has been rescheduled or refinanced, unless such repayment had been rescheduled or refinancing made with the prior consent of Concessioneing Authority; and

- (b) all accrued interest, financing fees and charges payable on or in respect of the debt referred to in sub-clause (a) above up to the Transfer Date but excluding (i) any interest, fees or charges that had fallen due one year prior to the Transfer Date, and (ii) penal interest or charges, payable under the Financing Documents to any Lender.

"Designs and Drawings" means the designs and drawings, and other technical information submitted by the Concessionaire from time to time and reviewed by the Independent Engineer in accordance with the provisions of this Agreement.

"Encumbrance" means any encumbrance such as mortgage, charge, pledge, lien, hypothecation, security interest, assignment, privilege or priority of any kind having the effect of security or other such obligations and shall include without limitation any designation of loss payees or beneficiaries or any similar arrangement under any insurance policy pertaining to the Project, physical encumbrances and encroachments on the Project Site / Port's Assets / Project Facilities and Services.

"EPC Contract" means the contract entered into by the Concessionaire with one or more Contractors inter-alia for the purpose of design, engineering, procurement of equipment and materials (including by import thereof) and construction of the Project in accordance with the provisions of this Agreement.

"Environmental Law" means any statute, rule, regulation, ordinance, code, guideline or policy having the force of law, in each case, applicable to the Project now or hereafter in effect and any applicable judicial or administrative interpretation, pronouncement, order, decree or judgment, relating to the environment, health and safety.

"Equity" means the paid up share capital of the Concessionaire representing the equity component of the Actual Project Cost, as capitalized in the books of the Concessionaire and duly certified by the Statutory Auditors.

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"Equity Documents" means collectively the documents evidencing subscription to Equity to the extent of equity component of cost of the Project.

"Escrow Account" shall have the meaning assigned to it under Article 9.5.

"Escrow Agreement" means the agreement to be executed *inter alia* between the Concessionaire, the Concessioneing Authority and the Lenders / Lenders representative substantially in the format set out in Appendix 16 hereto.

"Estimated Project Cost" means the sum of Rs. 4441 Millions (Rupees four thousand four hundred forty one million only) being the cost of the Project as estimated by the Concessioneing Authority and disclosed in the Request for Proposal.

"Event of Default" shall have the meaning assigned to it under Article 15.1.

"Exclusivity Period" shall have the meaning ascribed to it in Article 12.2(c).

"Expert" means any person, body or organization of repute with recognized technical / professional expertise in respect of any field, matter or subject relevant for the purpose of this Agreement.

"Financial Assistance" means all funded and non-funded credit assistance including but not limited to loans, advances, lease assistance and guarantees required for the Project.

"Financial Close" means the date on which the Financing Documents providing for Financial Assistance by the Lenders, Equity Documents and the documents in respect of debt, if any, committed by the Applicant/Consortium have become effective and the Concessionaire has access to such Financial Assistance.

"Financial Year" means any twelve month period commencing from 1st April and ending on 31st March.

"Financing Documents" means, collectively, the documents executed in favour of or entered into with the Lenders, by the Concessionaire in respect of the

Financial Assistance relating to the financing (including any re-financing) of the Actual Project Cost and includes any document providing security for the Financial Assistance.

"Financing Plan" means the financing plan as envisaged under the Financing Documents for financing the cost to be incurred for implementing the Project submitted by the Concessionaire in accordance with Article 3.1(a)(vii).

"Force Majeure Event" shall have the meaning ascribed to it in Article 14.1 of this Agreement.

"GoI" means the Government of India.

"Good Industry Practice" means the exercise of that degree of skill, diligence and prudence and those practices, methods, specifications and standards of equipment, safety and performance, as may change from time to time and which would reasonably and ordinarily be expected to be used by a skilled and experienced operator engaged in construction, operation and maintenance of facilities, equipment or systems of the type and size similar to the Project Facilities and Services.

"Government Authority" means GoI, any state government or any governmental department, commission, board, body, bureau, agency, authority, instrumentality, administrative body, at central, state, or local level, having jurisdiction over the Concessionaire, the Port's Assets, the Project Facilities and Services or any portion thereof, but shall not include the Concessioneing Authority.

"Gross Revenue" means all the revenues chargeable by the Concessionaire from the Project / Project Facilities and Services.

"Independent Engineer" means a Person appointed in accordance with Article 5.1 for supervision and monitoring of compliance by the Concessionaire with the Project Requirements, more particularly to undertake, perform, carry out the duties, responsibilities, services and activities set forth in Appendix 7.

"Indian Accounting Standards" means the Indian Accounting Standards issued by the Institute

of Chartered Accountants of India.

"Insurance Cover" shall have the meaning ascribed to it in Article 12.1(c)(ii).

"Lenders" means any Persons based in India or abroad providing Financial Assistance under the Financing Documents and includes a trustee for the holders of debentures / or other debt instruments issued by the Concessionaire to finance the Project.

"License Fee" shall have the meaning assigned to it under Article 9.1(a).

"Management Control" means the possession, directly or indirectly of the power to direct or cause the direction of the management and policies of the Concessionaire, whether through the ownership of voting securities, by contract or otherwise or the power to elect or appoint more than 50% (fifty percent) of the directors, managers, partners or other individuals exercising similar authority with respect to the Concessionaire.

"Management Contract"⁵ means the contract between the Concessionaire and the Management Contractor, in respect of obligations of the Management Contractor in respect of the Project in accordance with the Request for Proposal.

"Management Contractor" means [●]⁶.

"Material Adverse Effect" means material adverse effect on (a) the ability of either Party to exercise any of their rights or perform / discharge any of their duties / obligations under and in accordance with the provisions of this Agreement and / or (b) the legality, validity, binding nature or enforceability of this Agreement.

⁵ This definition may be included only in cases where such a contract is envisaged.

⁶ This definition and the usage will be retained depending on the bids i.e. where the consortium meets the technical criteria on the strength of its management contractor who is not a member of the consortium. In such instances the management contractor would need to be identifiable in the contract.

"Milestone Dates" means the dates for completion of specified Project activities as contained in the Project Schedule.

"Minimum Guaranteed Cargo" shall have the meaning ascribed to it in Article 7.1(a)(xii)

"Month" means the calendar month as per the Gregorian calendar.

"MPT Act" means The Major Port Trusts Act, 1963 as amended, supplemented, re-enacted or replaced from time to time.

"Non Political Events" means the Force Majeure Events set out in Article 14.2.

"O&M Contract" means the contract, if any, entered into by the Concessionaire for the operation and maintenance of the Project in accordance with the provisions of this Agreement and shall include the Management Contract.

"Operations Phase" means the period from the Date of Commercial Operation to the expiry/termination of the Concession Period.

"Operations and Maintenance Standards" means the minimum standards of operations and maintenance set out in the annexure to Appendix 4 with regards the Project Facilities and Services.

"Other Events" means the Force Majeure Events set out in Article 14.4.

"Party" means either the Concessioneing Authority or the Concessionaire as the context may require or admit and **"Parties"** means both Concessioneing Authority and Concessionaire.

"Performance Standards" means the minimum standards of performance set out in Appendix 15 with regards the Project Facilities and Services.

"Performance Guarantee" shall mean the bank guarantee(s)/letter(s) of credit procured by the Concessionaire for the benefit of the Concessioneing Authority

guaranteeing the performance of the obligations of the Concessionaire hereunder in the manner specified in Article 4.1.

"Person" means any individual, company, corporation, partnership, joint venture, trust, unincorporated organization, government or governmental authority or agency or any other legal entity.

"Political Event" means the Force Majeure Events set out in Article 14.3.

"Port's Assets" means the assets set out in Appendix - 2, belonging to the Concessioning Authority.

"Port Limits" means the boundary of the Visakhapatnam port, it is the waterfront area bounded by the coordinates 17°45'00"N / 83°21'08.5"E, 17°45'00"N / 83°30'21.24"E, 17°34'5.02"N / 83°21'54.51"E, 17°38'34.83"N / 83°15'38.25"E and notified vide Gazette Notification No. 254, dated June 03, 2003 and as amended, supplemented or replaced from time to time..

"Project" means the design, finance, construction, operation, maintenance, and marketing and providing of the Project Facilities and Services in accordance with the provisions of this Agreement.

"Project Capacity" means the capacity of the Project Facilities and Services to handle 10.18 Million Tonnes comprising 8.96 Million Tonnes of Coking Coal and 1.22 Million Tonnes of Steam Coal per annum.

"Project Contracts" means collectively this Agreement, the EPC Contract, O&M Contract and any other material contract (other than the Financing Documents, the Escrow Agreement, the Substitution Agreement or any commercial agreement with the users) entered into or may hereafter be entered into by the Concessionaire in connection with the Project and Project Facilities and Services.

"Project Facilities and Services" means the facilities and services as set out under the Project Requirements, to be provided by the Concessionaire during the Concession Period, in accordance with this Agreement.

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"Project Requirements" means the minimum requirements as to the construction, operation and maintenance of the Project and provision of Project Facilities and Services set out in Appendix 4.

"Project Schedule" means the Appendix 5 hereto.

"Project Site" means the area demarcated in Appendix-1 including the Waterfront, existing berth, land together with buildings, structures if any and easement rights thereto that may be given to the Concessionaire and all other assets comprised therein on which the Concessionaire is authorized to develop and operate the Project Facilities and Services as set forth in this Agreement.

"Provisional Certificate" shall have the meaning assigned to it under Article 6.7 (d).

"Punch List" shall have the meaning assigned to it under Article 6.7 (d).

"Pilotage" means Pilotage of vessels from Pilot Boarding Ground i.e., outside the breakwater, to the required berths and vice-versa by the licensed Pilot, who is aware and conversant of local conditions to ensure safe navigation with the help of necessary tugs.

"Quarter" means a period of 3 (three) Months.

"Remedial Period" has the meaning ascribed to it in Article 15.4.

"Request for Proposal" or "RFP" means the Request for Proposal dated 09.01.2010 issued by the Concessioneing Authority to the applicants short-listed pursuant to the Request for Qualification and includes any addendum / clarifications issued in respect thereof by the Concessioneing Authority.

"Request for Qualification" or "RFQ" means the Request for Qualification- Global Tender Notice No.11/ICME/2008-09/GCB,dated 15.09.2008 issued by the Concessioneing Authority inviting applications in accordance therewith for shortlisting the competent applicants that can subsequently bid for the Project, and includes any addendum / clarifications issued in respect thereof by the Concessioneing Authority.

"Requisition" has the meaning ascribed to it in Article 16.3.

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"Royalty" means the gross revenue share payable by the Concessionaire to the Concessioning Authority, pursuant to Article 9.2 hereof.

"Safety Standards" means the minimum standards of safety set out in the annexure to Appendix 4 with regards the Project/Project Facilities and Services.

"Scale of Rates" means the scale of rates alongwith the statement of conditions with respect thereto framed from time to time and notified by TAMP or such other competent authority under the provisions of MPT Act, as applicable.

"Scheduled Project Completion Date" means the date on which the Project is expected to be completed by the Concessionaire as per the implementation schedule set forth in Appendix 5.

"Selectee" has the meaning ascribed to it in Article 15.4(b).

"Special Audit" shall have the meaning assigned to it under Article 9.4.

"Statutory Auditors" means a firm of chartered accountants appointed in terms of Section 224 of the Companies Act, 1956 and acting as the statutory auditors of the Concessionaire.

"Substitution Agreement" means the agreement substantially in the form set out at Appendix-3, to be entered into between the Concessioning Authority, the Concessionaire and the Lenders.

"Supporting Project Infrastructure" means:

- (a) Maritime access channels & port entrance: The Entrance Channel to the outer harbour is 200m wide and dredged to a depth of 20.0m. The Entrance Channel to the inner harbour is dredged to a depth of (-)11.80m /(-)12.10m.

(b) Shore protection & other protective works.

(c) Access to port for inland transport (including roads, bridges and railways)

and shall include such other facilities as may be specified by the Concessioneing Authority as supporting infrastructure provided/to be provided for the Project.

"SBI PLR" means the prime lending rate of the State Bank of India prevailing as on the date of a payment due from which the computation of interest is required to be made under the Agreement.

"Schedule of Rates" means Schedule of Rates for land along with the statement of conditions with respect there to be framed from time to time and notified by TAMP or such other competent authority under the provisions of MPT Act as applicable.

"TAMP" means Tariff Authority for Major Ports established under the MPT Act.

"Tariff" means the applicable rate(s) as per Scale of Rates that may be charged by the Concessionaire for and in respect of providing the Project Facilities and Services.

"Tariff Notification" means the Notification G.No.250 dated.18.12.2009 setting out *inter alia* the Tariff and shall include any revisions thereof.

"Termination Notice" means the termination notice issued pursuant to Article 16.1 hereof.

"Termination Period" shall have the meaning as set out under Article 16.1 hereof.

"Tests" shall have the meaning assigned to it under Article 6.7 (a) hereof.

"The Port" means Visakhapatnam Port.

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"Transfer" means to transfer, sell, assign, pledge, hypothecate, create a security interest in or other encumbrance on, place in trust (voting or otherwise), transfer by operation of law or in any other way dispose of, whether or not voluntarily, the legal or beneficial interest in the equity shares of the Concessionaire.

"Transfer Date" means the date of expiry or termination as the case may be, of the Concession Period in accordance with the terms of this Agreement.

"Transaction Documents" means collectively the Project Contracts and the Financing Documents.

1.2 Other References

In this Agreement:

"ASTM" means American Society for Testing and Materials.

"BIS" means Bureau of Indian Standards.

"BS" means British Standard.

"CISF" means Central Industrial Security Force.

"DIN" means German Industrial Standard.

"DWT" means Dead Weight Tonnage

"FEM" means Federation of Equipment Manufacturers.

"IS" means Indian Standard.

"ISO" means International Organization for Standardisation.

"IEC" means International Electro Technical Commission.

"IMDG" means International Maritime Dangerous Goods.

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"IMO" means International Maritime Organization.

"km" means Kilometre, the unit of length.

"kWh" means Kilowatt-hour, the unit of electrical energy.

"KVA" means Kilovolt-Ampere, the unit of power.

"m" means Metre, the unit of length.

"mm" means Millimetre, the unit of length.

"MT" means Metric Tonne, the unit of weight.

"MVA" means Mega Volt Ampere, the unit of power.

"MSIHC" means Manufacture Storage and Input of Hazardous Chemicals.

"MoEF" means Ministry of Environment and Forests

"OISD" means Oil Industry Safety Directorate.

"VAT" means Value Added Tax.

1.3 Interpretations

This Agreement constitutes the entire understanding between the Parties regarding the Project and supersedes all previous written and / or oral representations and / or arrangements regarding the Project. If there is any aspect of the Project not covered by any of the provisions of this Agreement, then and only in that event, reference may be made by the Parties to the bid documents, *inter alia* including the RFP and RFQ documents, issued by the Concessioneing Authority and also including addendums, clarifications given in writing in the pre-bid meetings and the submissions of the Concessionaire and the bid submitted by the Concessionaire but not otherwise. In case of any contradictions in the terms of this Agreement and any such other bid documents as referred to above, the terms of this Agreement shall prevail.

In this Agreement unless the context otherwise requires:

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- (a) any reference to a statutory provision shall include such provision as is from time to time modified or re-enacted or consolidated so far as such modification or re-enactment or consolidation applies or is capable of applying to any transactions entered into hereunder;
- (b) the words importing singular shall include plural and vice versa, and words denoting natural persons shall include partnerships, firms, companies, corporations, joint ventures, trusts, associations, organisations or other entities (whether or not having a separate legal entity);
- (c) the table of contents and any headings in this Agreement are for ease of reference only and shall not affect the construction or interpretation of this Agreement;
- (d) the words "include" and "including" are to be construed without limitation;
- (e) references to "construction" include investigation, design, engineering, procurement, delivery, transportation, installation, processing, fabrication, testing, commissioning and other activities incidental to the construction;
- (f) any reference to any period of time shall mean a reference to that according to Indian Standard Time;
- (g) any reference to day shall mean a reference to a calendar day;
- (h) any reference to month shall mean a reference to a calendar month;
- (i) "Recital", "Article" and "Appendix" shall refer, except where the context otherwise requires, to Articles of and any Appendix to this Agreement. The Appendices to this Agreement shall form an integral part and parcel of this Agreement and will be in full force and effect as though they were expressly set out in the body of this Agreement;

- (j) any reference at any time to any agreement, deed, instrument, license or document of any description shall be construed as reference to that agreement, deed, instrument, license or other document as amended, varied, supplemented, modified or novated at the time of such reference;
- (k) any agreement, consent, approval, authorization, notice, communication, information or report required under or pursuant to this Agreement from or by any Party or the Independent Engineer and / or a Statutory Auditor shall be valid and effectual only if it is in writing under the hands of duly authorized representative of such Party or the Independent Engineer and / or Statutory Auditor, as the case may be, in this behalf and not otherwise;
- (l) unless otherwise stated, any reference to any period commencing "from" a specified day or date and "till" or "until" a specified day or date shall include both such days or dates;
- (m) unless otherwise specified, any interest to be calculated and payable under this Agreement shall accrue on a Monthly basis and from the respective due dates as provided for in this Agreement; and
- (n) any word or expression used in this Agreement, unless defined or construed in this Agreement, shall be construed as per the definition given in General Clauses Act, 1897 failing which it shall bear the ordinary English meaning.

1.4 Measurements and Arithmetic Conventions

All measurements and calculations shall be in metric system and calculations done to 2 decimal places, with the third digit of 5 or above being rounded up and below 5 being rounded down.

1.5 Ambiguities and Discrepancies

In case of ambiguities or discrepancies within this Agreement, the following shall apply:

- (a) between two Articles of this Agreement, the provisions of specific Articles relevant to the issue under consideration shall prevail over those in other Articles;
- (b) between the dimension scaled from the Design and Drawings and its specific written dimension, the latter shall prevail;
- (c) between any value written in numerals and that in words, the latter shall prevail; and
- (d) between the provisions of this Agreement and any other documents forming part of this Agreement, the former shall prevail.

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ARTICLE 2

CONCESSION AND PORT ASSETS

2.1 Concession

In consideration of the Concessionaire agreeing to pay to the Concessioneing Authority (a) the License Fee and (b) Royalty, and performing its obligations as set out in this Agreement, the Concessioneing Authority hereby grants to the Concessionaire, subject to the provisions of this Agreement, an exclusive license for designing, engineering, financing, constructing, equipping, operating, maintaining, replacing the Project / Project Facilities and Services.

2.2 Concession Period

The Concession hereby granted is for a period of 30 (Thirty) years commencing from Date of Award of Concession during which the Concessionaire is authorized and obliged to implement the Project and to provide Project Facilities and Services in accordance with the provisions hereof.

Provided that: -

- (a) in the event of the Concession being extended by the Concessioneing Authority beyond the said period of 30 (Thirty) years in accordance with the provisions of this Agreement, the Concession Period shall include the period by which the Concession is so extended, and
- (b) in the event of an early termination / determination of the Concession / this Agreement by either Party in accordance with the provisions hereof, the Concession Period shall mean and be limited to the period commencing from the Date of Award of Concession and ending with the date of termination / determination of the Concession / this Agreement.

2.3 Acceptance of the Concession

The Concessionaire hereby accepts the Concession and agrees and undertakes to

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implement the Project and to provide Project Facilities and Services in accordance with the provisions of this Agreement. Subject to and in accordance with the provisions of this Agreement and Applicable Laws and Applicable Permits, the Concessionaire shall at its costs, charges, expenses and risk including but not limited to foreign exchange variation risk if any, conceptualize, design, engineer, finance, construct, equip, operate, maintain and replace the Project / Project Facilities and Services.

2.4 Port's Assets

- (a) In consideration of the Concessionaire agreeing to perform and discharge its obligations as set forth in this Agreement, the Concessioneing Authority hereby grants to the Concessionaire, the exclusive right to enter upon, occupy and use the Project Site and Port's Assets for the purpose of implementing the Project and provision of Project Facilities and Services pursuant thereto in accordance with this Agreement.
- (b) The Concessionaire shall at its costs, charges and expenses make such development and improvements in the Project Site and Port's Assets as may be necessary or appropriate for implementing the Project and providing Project Facilities and Services, in accordance with the Agreement, Applicable Laws and Applicable Permits.

2.5 Use of Port's Assets

The Concessionaire shall not without the prior written consent or approval of the Concessioneing Authority use the Project Site and the Port's Assets for any purpose other than for the purposes of the Project / the Project Facilities and Services and purposes incidental thereto as permitted under this Agreement or as may otherwise be approved by the Concessioneing Authority.

2.6 Information about Project Site and Port's Assets

The information about the Project Site and Port's Assets as set out in Appendix 1 and Appendix 2 respectively is provided by the Concessioneing Authority in good faith

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and with due regard to the matters for which such information is required by the Concessionaire. The Concessioneing Authority agrees to provide to the Concessionaire, upon a reasonable request, any further information relating to the Project Site and Port Assets, which the Concessioneing Authority may now possess or may hereafter come to possess, as may be relevant to the implementation of the Project. Subject to this, the Concessioneing Authority makes no representation and gives no warranty to the Concessionaire in respect of the condition of the Port Assets or the Project Site.

2.7 Acceptance of the Port's Assets

The Concessionaire accepts possession of the Port's Assets and Project Site on 'as is where is' basis and confirms having:

- (a) inspected the Project Site / Port's Assets, including the berths and all structures thereat and its surroundings;
- (b) satisfied itself as to the nature of the climatic, hydrological and general physical conditions of the Project Site / Port's Assets, the nature of the ground and subsoil, the form and nature of the Project Site / Port's Assets, and the nature of the design, work and materials necessary for the performance of its obligations under this Agreement; and
- (c) obtained for itself all necessary information as to the risks, contingencies and all other circumstances which may influence or affect the Concessionaire and its rights and obligations under or pursuant to this Agreement.

2.8 Peaceful Occupation

The Concessioneing Authority warrants that the Concessionaire shall, subject to complying with the terms and conditions of this Agreement, remain in occupation of the Project Site and Port's Assets during the Concession Period. In the event the Concessionaire is obstructed by any Person claiming any right, title or interest in or over the Project Site and Port's Assets or any part thereof or in the event of any enforcement action including any attachment, distraint, appointment of receiver or liquidator being initiated by any Person claiming to have charge on the Project Site

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and Port's Assets or any part thereof pursuant to Section 78 of the MPT Act, the
Concessioning Authority shall, if called upon by the Concessionaire, defend such
claims and proceedings.

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ARTICLE 3

CONDITIONS PRECEDENT

3.1 Conditions Precedent

The award of the Concession shall be subject to the satisfaction or waiver of the following conditions precedent (the "Conditions Precedent"):

- (a) The following Conditions Precedent shall be satisfied by the Concessionaire:
 - (i) Furnishing of the Performance Guarantee as stipulated in Article 4.1 hereof;
 - (ii) Furnishing of copies (certified as true copies by a director of the Concessionaire) of the constituent documents of the Concessionaire;
 - (iii) Furnishing of all resolutions adopted by the Board of Directors of the Concessionaire (certified as true copies by a director of the Concessionaire) authorizing the execution, delivery and performance by the Concessionaire of each of the Transaction Documents;
 - (iv) Opening the Escrow Account and executing the Escrow Agreement;
 - (v) Furnishing a copy of the Management Contract;¹²
 - (vi) Furnishing a certificate from its principal officer/director on the shareholding pattern of the Concessionaire;
 - (vii) Furnishing its Financing Plan and Financing Documents for the Project and demonstrating Financial Close. Provided, Financial Close shall be deemed to be achieved if the only conditions pending for achieving Financial Close are those which are required to be fulfilled by the Concessioning Authority under Article 3.1 (b) hereunder;

¹² To be retained where relevant i.e. where on the strength of the Management Contract the consortium has qualified technically.

(viii) Procuring and furnishing the following confirmations, in original, from the Applicant / members of Consortium:

- (a) it / they shall at all times comply with the provisions of Article 11.2 in respect of their shareholding in the Concessionaire;
- (b) it / they has / have the financial standing and resources to fund / raise finances for undertaking and implementing the Project in accordance with this Agreement;
- (c) the Applicant is / each of the member of the Consortium is duly organized and validly existing under the laws of the jurisdiction of its incorporation, and has requested the Concessioneing Authority to enter into this Agreement with the Concessionaire and has agreed to and unconditionally accepted the terms and conditions set forth in this Agreement;

(ix) Furnishing to the Concessioneing Authority a legal opinion from the legal counsel of the Concessionaire with respect to the authority of the Concessionaire to enter into this Agreement and the enforceability hereof; and

(x) Obtaining Applicable Permits as may be required for commencement of Construction Works as set out in Appendix 8.

(xi) If required, the Concessionaire shall enter into an Integrity Pact as set out in Appendix 17 with the Concessioneing Authority as per the "Standard Operating Procedure" laid down for adoption of Integrity Pact in Major Government Departments / Organisations formulated by the Central Vigilance Commission / Government of India.

(b) The following Conditions Precedent shall be satisfied by the Concessioneing Authority:

- (i) procurement of the clearances required for the Project, as set out in Appendix 8

- (ii) handing over physical possession of the Project Site and / or the Port's Assets for the purposes of the Project;

- 3.2 The aforesaid Conditions Precedent shall be complied with within 120 (one hundred and twenty) Days of the date of the Agreement. Each Party shall promptly inform the other Party in writing when the Conditions Precedent for which it is responsible have been satisfied.
- 3.3 Any of the Conditions Precedent set forth in Articles 3.1(a) may be waived fully or partially by the Concessioneing Authority at any time in its sole discretion or the Concessioneing Authority may grant additional time for compliance with these conditions and the Concessionaire shall be bound to ensure compliance within such additional time as may be specified by the Concessioneing Authority. Any of the Conditions Precedent set forth in Articles 3.1 (b) may be waived fully or partially by the Concessionaire at any time in its sole discretion.
- 3.4 If the Concessionaire has fulfilled all the Conditions Precedent under Article 3.1(a) including the furnishing of the Performance Guarantee and has not waived or extended the time under Article 3.3 above, and if the Concessioneing Authority has failed to fulfill the Conditions Precedent to be fulfilled by it under Article 3.1(b) (and which are within the power of the Concessioneing Authority), the Concessioneing Authority shall be liable to pay liquidated damages in a sum calculated at the rate of 0.1% (zero point one percent) of the Performance Guarantee for each day's delay until fulfillment of the Conditions Precedent subject to a maximum of 5% (five percent) of the figure mentioned in the Performance Guarantee furnished by the Concessionaire. In such event, having regard to the quantum of damages, the time for the performance shall be deemed to have been extended by the number of days for which the liquidated damages is paid and if, after the extended period the Concessioneing Authority is still not in a position to comply with the Conditions Precedent, then the agreement shall be liable to be terminated as provided for in Article 3.6 below;

3.5 If the Concessioneing Authority has fulfilled all the Conditions Precedent under Article 3.1(b) and has not waived or extended the time under Article 3.3 above, and if the Concessionaire has failed to fulfill the Conditions Precedent to be fulfilled by it under Article 3.1(a) (and which are within the power of the Concessionaire), the Concessionaire shall be liable to pay liquidated damages in a sum calculated at the rate of 0.1% (zero point one percent) of the Performance Guarantee for each day's delay until fulfillment of the Conditions Precedent subject to a maximum of 5% (five percent) of the figure mentioned in the Performance Guarantee furnished by the Concessionaire. In such event, having regard to the quantum of damages, the time for the performance shall be deemed to have been extended by the number of days for which the liquidated damages is paid and if, after the extended period the Concessionaire is still not in a position to comply with the Conditions Precedent, then the agreement shall be liable to be terminated as provided for in Article 3.6 below;

3.6 In the event that the Conditions Precedents are not complied with within the time (including the extended time, if any) in terms of the aforesaid Articles 3.2 to 3.5, this Agreement shall be liable to be terminated. If such termination is on account of failure of the Concessionaire to comply with the Conditions Precedent, the Bid Security shall stand forfeited. If such termination is on account of failure of the Concessioneing Authority, the Concessioneing Authority shall be obliged to return the Bid Security / Performance Guarantee. It is clarified that except for the payment as stipulated in the foregoing Article 3.4 and 3.5 and forfeiture in this Article 3.6, each party hereto shall have no claims against the other for costs, damages, compensation or otherwise.

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ARTICLE 4

PERFORMANCE GUARANTEE

4.1 Performance Guarantee

The Concessionaire shall for due performance of its obligations during the Construction Phase provide to Concessioneing Authority an unconditional and irrevocable bank guarantee, in favour of the Concessioneing Authority encashable and enforceable at **Visakhapatnam** substantially in the form set forth in Appendix 9 or an irrevocable revolving letter of credit in the form acceptable to the Concessioneing Authority (the "Performance Guarantee"). The Performance Guarantee shall be for a sum of Rs.222.05 Millions (Rupees Two hundred twenty two decimal zero five Million). Till such time the Concessionaire provides to Concessioneing Authority the Performance Guarantee pursuant hereto, the Bid Security shall remain in full force and effect. The Performance Guarantee, if in the form of a bank guarantee shall be valid for an initial period of 1 (one) year and shall be renewed 30 (thirty) Days prior to expiry of each year, for an additional term of 1 (one) year. It is clarified that the Concessionaire shall be liable to restore the Performance Guarantee to the full amount in case of part encashment of the same by the Concessioneing Authority. This shall be done within 30 (thirty) Days of any such part encashment. The Performance Guarantee, if in the form of a letter of credit shall be irrevocable and replenished from time to time such that an amount of Rs.222.05 Millions (Rupees Two hundred twenty two decimal zero five Million) is available in immediate cash to the Concessioneing Authority for the entire period of the Construction Phase. The Performance Guarantee furnished under this provision shall be valid until expiry of 6 (six) months from the Date of Commercial Operations. Failure of the Concessionaire to provide a valid Performance Guarantee and/or restore and maintain the Performance Guarantee in accordance with this Article shall entitle the Concessioneing Authority to forthwith terminate this Agreement and also if relevant, to forfeit the Bid Security.

ARTICLE 5

INDEPENDENT ENGINEER

5.1 Independent Engineer

- (a) The Independent Engineer shall be selected through a tender process. The Concessioneing Authority shall in the procurement documents published by it, set out in reasonable detail the scope of work as indicated in Appendix 7 and shortlist bidders based on their technical capability. The Concessioneing Authority shall within 30 (thirty) Days of the date of this Agreement forward to the Concessionaire a list consisting of the names accompanied by their respective profile in brief of Persons so shortlisted. If within 15 (fifteen) Days of forwarding the list, the Concessioneing Authority does not receive any objection from the Concessionaire with reasons therefore, the Concessioneing Authority shall call for a financial bid from the shortlisted Persons and select the Independent Engineer ordinarily based on the lowest fee quote. Any objection raised by the Concessionaire shall be considered by the Concessioneing Authority and Persons against whom such objections are raised will at the discretion of the Concessioneing Authority, which discretion shall be used with the highest degree of prudence and fairness, be disqualified prior to seeking a financial bid.
- (b) The Independent Engineer selected pursuant to the aforesaid process shall be appointed for a period commencing from the Date of Award of Concession to the date of expiry of 6 (six) months from the Date of Commercial Operations. The scope of work of the Independent Engineer shall be substantially as set out in Appendix 7.
- (c) The costs and expenses of the Independent Engineer shall be borne by the Concessioneing Authority and Concessionaire, equally.
- (d) If the Concessioneing Authority either on its own or on a report of the Concessionaire has reason to believe that the Independent Engineer is not

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discharging its duties in a fair, appropriate and diligent manner, the Concessioneing Authority may after giving the Independent Engineer due opportunity of being heard, terminate the appointment of the Independent Engineer and appoint another firm in its place in accordance with the preceding sub- clause (a) above.

- (e) If either Party disputes any advice, instruction or decision of the Independent Engineer, the dispute shall be resolved in accordance with the dispute resolution procedure set out in Article 19.

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ARTICLE 6

PROJECT IMPLEMENTATION

6.1 Preparation of Designs and Drawings

The Concessionaire shall at its cost, charges and expenses, prepare the Designs and Drawings in conformity with the Project Requirements.

6.2 Review of the Designs and Drawings

- (a) The Concessionaire shall submit the Designs and Drawings as set out in Appendix 6 for the review of the Independent Engineer. Simultaneously, the Concessionaire shall also provide the Concessions Authority with a set of the Designs and Drawings.
- (b) The Independent Engineer shall review the Designs and Drawings submitted by the Concessionaire and provide its comments / observations and suggestions on the same (including taking into account the comments / observations of the Concessions Authority in respect thereof as it may in its sole discretion deem fit) within 21 (twenty one) Days from the date of the receipt of such Designs and Drawings.
- (c) In the event that the Independent Engineer has observed that the Designs and Drawings are not in conformity with the Project Requirements, the Concessionaire shall promptly and without any undue delay revise and resubmit the Designs and Drawings or satisfy the Independent Engineer with regards its compliance.
- (d) If the Independent Engineer does not make any observation / comments with respect to the Designs and Drawings submitted to it by the Concessionaire within 21 (twenty one) Days of the submission, it shall be deemed that the Independent Engineer has no suggestions to make with respect to the Designs and Drawings and the Concessionaire shall be entitled to proceed with the Project accordingly.

- (e) The Concessionaire shall not be entitled to any extension of time for completing construction or any other relief on account of delay caused due to providing any clarification or in resubmitting the Designs and Drawings. Provided however the Concessioneing Authority at its sole discretion may suitably extend the Construction Phase or provide other relief to compensate for any such delay not attributable to the Concessionaire.
- (f) The Concessionaire shall not change any Designs and Drawings reviewed by the Independent Engineer under this Agreement, without submitting such revised Designs and Drawings for the review of the Independent Engineer.
- (g) Notwithstanding the review by the Independent Engineer, the Concessionaire shall be solely responsible for any defect and/or deficiency in the Designs and Drawings relating to the Project or any part thereof and accordingly the Concessionaire shall at all times remain responsible for its obligations under this Agreement.
- (h) Any review of the Designs and Drawings conducted by the Concessioneing Authority is solely for the Concessioneing Authority's own information and that by conducting such review, the Concessioneing Authority does not accept any responsibility for the same.
- (i) The Concessionaire shall in no way represent to any Person that, as a result of any review by the Independent Engineer, the Concessioneing Authority has accepted responsibility for the engineering or soundness of any work relating to the Project / the Project Facilities and Services or part thereof carried out by the Concessionaire and the Concessionaire shall, in accordance with the provisions of this Agreement, be solely responsible for the technical feasibility, operational capability and reliability of the Project/ the Project Facilities and Services or any part thereof.

6.3 Construction Phase

The Concessionaire shall promptly commence and complete the works, including installation of equipment in accordance with the Project Schedule and shall also obtain from the Independent Engineer a certificate as to completion of construction of Project Facilities and Services in accordance with the provisions of this Agreement ("Completion Certificate") not later than 24 (Twenty four) Months from the date of commencement of the Concession Period.

6.4 Obligations of the Concessionaire

Without prejudice to the generality of Article 6.3 and in addition to any of its other obligations under this Agreement, during the Construction Phase, the Concessionaire shall:

- (a) arrange for, in a timely manner all necessary financial and other resources required for construction and installation of the Project Facilities and Services.
- (b) engage professionally competent Persons for project management and construction and ensure that all works are carried out in compliance with the Construction Standards;
- (c) give written notice to the Concessioneing Authority within 7 (seven) Days of any material modification or change to any of the Financing Documents and / or any Equity Documents and shall simultaneously therewith also furnish copies of such modified / amended documents to the Concessioneing Authority. Provided no such modification / amendment will be made if it in any manner whatsoever has the effect of imposing an additional financial obligation or increasing the financial obligation of the Concessioneing Authority in addition to that contemplated under the Financing Documents provided on Financial Close, without the prior written consent of the Concessioneing Authority. For avoidance of doubt any such modifications / amendments made without the prior written consent of the Concessioneing Authority will not be enforceable against the Concessioneing Authority;

- (d) obtain Applicable Permits, comply with Applicable Laws and Applicable Permits and give priority to safety in its construction and planning activities in order to protect life, health, property and environment;
- (e) provide to the representative(s) of the Concessioneing Authority, at reasonable times and upon prior intimation, access to the Project Site to review progress in construction and to ascertain compliance with any of the requirements of this Agreement. Provided that non-inspection by the Concessioneing Authority of any works shall not, in relation to such works, (i) amount to any consent or approval by the Concessioneing Authority nor shall the same be deemed to be waiver of any of the rights of the Concessioneing Authority under this Agreement; and (ii) release or discharge the Concessionaire from its obligations or liabilities under this Agreement in respect of such work;
- (f) provide monthly reports on the progress of Construction Works or such other relevant information as may be required by the Independent Engineer;
- (g) promptly carry out at its cost such further works as may be necessary to remove any defects or deficiencies observed by the Independent Engineer and ensure timely completion of construction of the Project / the Project Facilities and Services in all respects in accordance with the provisions of this Agreement; and
- (h) to ensure safe and timely construction and completion of the Project / Project Facilities and Services, the Concessionaire may, at its cost, interrupt and divert/create barriers on the flow of water or on the road or port traffic, adjacent to the Project Site if such interruption and diversion is imperative for the efficient progress of Construction Works and conforms to Good Industry Practice; provided that such interruption and diversion shall be undertaken by the Concessionaire only with the prior written approval of the Independent Engineer which approval shall not be unreasonably withheld. For the avoidance of doubt, it is agreed that the Concessionaire shall at all times be responsible for ensuring safe operation of Construction Works and

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shall remove the interruption or diversion within the period specified by the Independent Engineer.

6.5 Obligations of the Concessioneing Authority

In addition to any of its other obligations under this Agreement, during the Construction Phase, the Concessioneing Authority shall:

- (a) in matters falling within its authority, grant, the Applicable Permits, approvals and consents as may be required by the Concessionaire and on a best efforts basis assist the Concessionaire in obtaining all other Applicable Permits as may be required by the Concessionaire;
- (b) make available all records of sub-soil investigations carried out on its behalf in the Port's Assets, if requested by the Concessionaire. It is clarified that the Concessionaire shall be solely responsible for determining the adequacy or otherwise of such investigations and will not in reliance of such records, be entitled to claim any relief under this Agreement;
- (c) upon satisfaction as to completion and receipt of Completion Certificate issued by the Independent Engineer promptly obtain approval of the Collector of Customs, publish requisite notifications in the Official Gazette and declare the Project Facilities and Services as ready for operation in accordance with the provisions of Section 37 of the MPT Act;
- (d) upon written request from the Concessionaire, assist the Concessionaire, on a best effort basis, in obtaining immigration clearances, employment permits and residential premises for any foreign personnel engaged or employed by the Concessionaire in connection with the implementation of the Project; and
- (e) subject to the Concessionaire / Contractor complying with the requirements under the Applicable Laws including but not limited to payment of

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customs and any other duty, assist the Concessionaire or Contractor, on a best effort basis, to import into India all items of equipment and materials required for the Project.

6.6 Suspension of Works

- (a) Upon recommendation of the Independent Engineer to this effect, the Concessioneing Authority may by notice require the Concessionaire to suspend forthwith the whole or any part of the Construction Works if, in the reasonable opinion of the Concessioneing Authority, such work is not in accordance with the Construction Standards / Safety Standards.
- (b) The Concessionaire shall, pursuant to the notice under the foregoing provision suspend the Construction Works or any part thereof for such time and in such manner as may be specified by the Concessioneing Authority and thereupon represent to the Concessioneing Authority / Independent Engineer, the remedial measures to remedy the defects notified. The Concessionaire may by notice require the Independent Engineer to inspect such remedial measures forthwith and make a report to the Concessioneing Authority recommending whether or not the suspension hereunder may be revoked. Any dispute as regards the suspension of works or the remedial measures proposed, if cannot resolved within 30 (thirty) Days of the suspension or proposal of the remedial measures, shall be submitted for dispute resolution in accordance with Article 19 hereof.

6.7 Issue of Completion Certificate

- (a) At least 60 (sixty) Days prior to the likely completion of the Project, the Concessionaire shall notify the Independent Engineer of the date when it intends to commence commercial operations. The Independent Engineer shall then proceed to inspect the Construction Works with the intention of issuing the Completion Certificate and determine and notify to the Concessionaire the schedule and manner of the tests as are specified in Appendix 7 that it shall carry out to ensure that the Project meets with the

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Construction Standards ("the Tests"). The date and time of each of the Tests shall be determined by the Independent Engineer in consultation with the Concessionaire, and notified to the Concessioneing Authority who may designate its representative to witness the Tests. The Concessionaire shall provide such assistance as the Independent Engineer may reasonably require for conducting the Tests. In the event of the Concessionaire and the Independent Engineer failing to mutually agree on the dates for conducting the Tests, the Concessionaire shall fix the dates by not less than 10 (ten) Days notice to the Independent Engineer;

- (b) Upon completion of each Test, the Independent Engineer shall provide to the Concessionaire and the Concessioneing Authority copies of all Test data including detailed Test results;
- (c) Upon completion of Construction Works and the Independent Engineer determining all the Tests to be successful, it shall forthwith issue to the Concessionaire and the Concessioneing Authority a Completion Certificate substantially in the form set forth in Appendix 10;
- (d) The Independent Engineer may, at the request of the Concessionaire, issue a provisional certificate of completion substantially in the form set forth in Appendix 10 (the "Provisional Certificate") if the Tests are successful and the Project can be safely and reliably placed in commercial operation though certain works or things forming part thereof are outstanding and not yet complete. The Provisional Certificate shall have appended thereto a list of outstanding items signed jointly by the Independent Engineer and the Concessionaire (the "Punch List") to be completed by the Concessionaire within a stipulated time. Provided, notwithstanding the foregoing, no such Provisional Certificate will be issued pending notifications in the Official Gazette by the Collector of Customs, in accordance with the provisions of Section 37 of the MPT Act for the Project Facilities and Services. All items in the Punch List shall be completed by the Concessionaire within 90 (ninety) Days of the date of issue of the Provisional Certificate or such other extended period that the Concessioneing Authority may in its sole discretion determine, failing

which the Provisional Certificate shall lose its validity and the Concessioneing Authority shall be entitled to terminate this Agreement;

- (e) Without prejudice to the foregoing, if the Concessionaire shall have failed to complete any Construction Works on account of Force Majeure or for reasons solely attributable to the Concessioneing Authority, the Concessioneing Authority may, in its discretion, reduce the scope of Project and require the Concessionaire to pay 80% (eighty percent) of the sum saved due to such reduction of scope. Upon such payment to the Concessioneing Authority, the obligations of the Concessionaire in respect of such works shall be deemed to have been fulfilled.

6.8 Change of Scope

- ✓ (a) The Concessioneing Authority may, notwithstanding anything to the contrary contained in this Agreement, require the provision of additional works and services which are not included in the scope of the Project as contemplated by this Agreement ("Change of Scope"). Provided no such Change of Scope shall be made in the Construction Phase if it is in the reasonable judgment of the parties hereto likely to delay the completion of the Project such that the Project cannot be completed on the Scheduled Project Completion Date. Provided further, the cost of implementing a single Change of Scope shall not exceed a sum corresponding to 5% (five percent) of the Estimated Project Cost and during the Concession Period the cumulative cost of implementing orders pertaining to Change of Scope shall not exceed a sum corresponding to 20% (twenty percent) of the Estimated Project Cost;
- (b) If the Concessioneing Authority determines that a Change of Scope is necessary, it shall issue to the Concessionaire a notice specifying in reasonable detail the works and services contemplated thereunder (the "Change of Scope Notice");
- (c) Upon receipt of a Change of Scope Notice, the Concessionaire shall, provide to the Concessioneing Authority, the following:

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- (i) the adverse impact, if any, which the Change of Scope is likely to have on the Project; and
 - (ii) the cost to be incurred by the Concessionaire for and in respect of such Change of Scope;
- (d) Upon receipt of the foregoing information, the Concessioneing Authority shall, if it decides to proceed with the Change of Scope, convey its agreement or otherwise of the assessment of the Concessionaire. If the Concessionaire does not notify any adverse impact of a Change of Scope notified under the Change of Scope Notice within 30 (thirty) Days of the date thereof and / or the Concessioneing Authority does not disagree with the cost assessment of the Concessionaire, the Concessioneing Authority shall issue an order requiring the Concessionaire to proceed with the implementation of such Change of Scope. If an adverse impact is notified by the Concessionaire and/or the Concessioneing Authority disagrees with the cost assessment, the Parties shall in good faith modify the Change of Scope envisaged so as to remove the adverse impact / agree to the cost implication for carrying out the Change of Scope within a period of 30 (thirty) Days of notification of the adverse impact/cost. In the event that the Parties are unable to mutually agree to a Change of Scope and / or the cost of implementing the same, they may seek intervention of an Expert to resolve the differences and upon the final determination of the desired Change of Scope and its cost implication, the Concessioneing Authority may issue an order to implement the Change of Scope;
- (e) The provisions of this Agreement, insofar as they relate to Construction Works and Tests, shall apply mutatis mutandis to the works undertaken by the Concessionaire in respect of a Change of Scope;
- (f) Within 7 (seven) Days of an order for Change of Scope being issued, the Concessioneing Authority shall make an advance payment to the Concessionaire of a sum equal to 20% (twenty per cent) of the cost of Change of Scope as agreed hereunder. The Concessionaire shall, after commencement of work, present to the Concessioneing Authority bills for

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payment in respect of the works in progress or completed works, as the case may be, supported by such documentation as is reasonably sufficient for the Concessioneing Authority to determine the accuracy thereof. Within 30 (thirty) Days of receipt of such bills, the Concessioneing Authority shall disburse to the Concessionaire such amounts as are certified by the Statutory Auditors as being expended by the Concessionaire for and in respect of implementing Construction Works or procuring equipments following an order for a Change of Scope;

- (g) Notwithstanding anything to the contrary contained in this Article 6.8, the Concessioneing Authority may, after giving the Change of Scope Notice to the Concessionaire and considering its reply thereto, decide to seek competitive bids for carrying out the works envisaged in a Change of Scope; provided that the Concessionaire shall have the option of matching the first ranked bid in terms of the selection criteria, subject to payment of 2% (two per cent) of the bid amount to the Concessioneing Authority, and thereupon securing the award of such works or services. For the avoidance of doubt, it is agreed that the Concessionaire shall be entitled to exercise such option only if it has participated in the bidding process and its bid does not exceed the first ranked bid by more than 10% (ten percent) thereof; and
- (h) If during the pendency of the Agreement, the Concessionaire determines at any time that a Change of Scope is necessary for providing safer and improved Project Facilities and Services, it shall by notice in writing request the Concessioneing Authority to consider such Change of Scope. The Concessionaire may implement the Project and provide Project Facilities and Services in accordance with the Change of Scope as may be approved in writing by the Concessioneing Authority and all the provisions of this Article 6 for the Project Implementation shall mutatis mutandis apply. Provided, it is clarified that the provisions contained in Article 6.8 (f) and (g) shall not apply to a Change of Scope required by the Concessionaire.

6.9 Liquidated Damages

Subject to any of the provisions of this Agreement providing for extension of time for performance or excuse from performance, as the case may be, of any of the obligations of the Concessionaire under this Agreement, the Concessionaire shall pay to the Concessioneing Authority liquidated damages at the rate of 0.1% (zero point one percent) of the Performance Guarantee for every Day of delay in fulfilling the specified obligations on or before a Milestone Date including a delay in obtaining the Completion Certificate or the Provisional Certificate on or before the Scheduled Project Completion Date. Provided such liquidated damages shall not in aggregate exceed 5% (five percent) of the Estimated Project Cost and unless the delay is in obtaining of the Completion Certificate or the Provisional Certificate, shall not be payable for less than 15 (fifteen) Days of delay from a Milestone Date, in fulfilling a specified obligation. The Parties agree that the liquidated damages as provided are a genuine pre-estimate of the damages the Concessioneing Authority is likely to suffer and are not by way of a penalty. In case the aggregate delay exceeds 180 (one hundred and eighty) Days or the aggregate liquidated damages paid and/or payable under this provision exceeds the specified limit of 5% (five percent) of the Estimated Project Cost, the Concessioneing Authority shall be entitled to terminate this Agreement and the consequences of termination as laid down in Article 16.5 shall follow. The Concessioneing Authority may, at its discretion recover any amounts with respect to liquidated damages from the Performance Guarantee.

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ARTICLE 7

OPERATIONS & MAINTENANCE

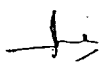
7.1 (a) Obligations of the Concessionaire

In addition to any of its other obligations under this Agreement, the Concessionaire shall manage, operate, maintain and repair the Project Facilities and Services, entirely at its cost, charges, expenses and risk in accordance with the provisions of this Agreement. The Concessionaire's obligations under this Article 7.1 shall include but shall not be limited to the following:

(i) Berth and Terminal Operations:

The Concessionaire shall:

- (a) promptly commence operations upon the Project Facilities and Services being declared by the Concessioneing Authority as ready for operations;
- (b) make efforts to maximise cargo handled so as to achieve optimal utilization of the Project Facilities and Services;
- (c) ensure compliance of the Project Facilities and Services at least with the Project Requirements;
- (d) ensure compliance of the Project Facilities and Services at least with the Performance Standards;
- (e) ensure that the Project Facilities and Services shall adhere to the Operations and Maintenance Standards and Safety Standards and there is safe, smooth and uninterrupted flow of traffic normal operating conditions;
- (f) minimise disruption to traffic in the event of accidents or other incidents affecting the safety and use of the Project



Facilities and Services by providing a rapid and effective response and maintaining liaison with emergency services of the Concessioning Authority or other agencies;

- (g) make available all necessary financial, technical, technological, managerial and other resources for operation, maintenance, repair and replacement of the Project Facilities and Services in a timely manner;
- (h) except for the priority and preferential berthing that may be authorized in terms of guidelines issued by the Government from time to time, manage and operate the Project Facilities and Services on a first come - first serve, common-user basis, open to any and all shipping lines, importers, exporters, shippers, consignees and receivers, and refrain from indulging in any unfair or discriminatory practice against any user or potential user thereof;
- (i) ensure maintenance of proper and accurate record / data / accounts relating to operations of the Project Facilities and Services and the revenue earned therefrom;
- (j) obtain, maintain and comply with Applicable Permits and comply with the Applicable Laws including those relating but not limited to dock side safety, health, environment and labour;
- (k) subject to the provisions of this Agreement, perform, undertake or provide, in connection with the Project, all services which the Concessioning Authority is authorized to perform, undertake or provide under the provisions of the MPT Act; and
- (l) prevent, with the assistance of concerned law enforcement agencies, any encroachment or unauthorized use of the Project Facilities and Services.

(ii) Repairs and Maintenance

The Concessionaire shall at its own cost:

- (a) repair as necessary and maintain the Project Facilities and Services or any part thereof in accordance with the Project Requirements and for this purpose carry out routine preventive measures and maintenance of the Project Facilities and Services including resurveying of pavement, repair structures and repair and refurbish equipments; and
- (b) maintain the Project Facilities and Services in accordance with the provisions of this Agreement and Good Industry Practice with the objective of providing adequate service standards and ensuring that the Project Facilities and Services to be transferred to the Concessioning Authority upon expiry of the Concession Period are in good condition, normal wear and tear excepted.
- (c) The Concessionaire shall carry out capital dredging at the berth to a depth of (-) 20.0 m. and maintain the dredged depth at (-) 20.0 m. up to 60m from the face line of the berth or at such depths as may be required in future including conducting periodical hydrographic surveys.

(iii) Replacement of Equipment

The Concessionaire shall at its cost, plan for replacement of the equipment well ahead of the time when the utility thereof is reasonably expected to expire and replace the equipment in accordance with Good Industry Practice so as to ensure that the Project facilities and Services commensurate with the Project Requirements, at all times during the Concession Period.

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(iv) Repairs, Replacement or Restoration

The Concessionaire shall at its own costs, promptly and diligently repair, replace or restore any of the Project Facilities and Services or part thereof which may be lost, damaged, or destroyed for any reason whatsoever.

(v) Removal / Replacement of Assets

Except as provided / authorized under this Agreement the Concessionaire shall not, without the prior written intimation to the Concessioneing Authority, remove or replace any assets comprised in the Project Facilities and Services. Such notice shall contain the exact details of the assets that the Concessionaire intends to remove and/or replace, its reasons for doing so and the likely period for replacement.

(vi) Payments to the Concessioneing Authority

The Concessionaire shall make / ensure payments to the Concessioneing Authority as per Article 9.

(vii) Access for Inspection

The Concessionaire shall be obliged to extend all co-operation to Experts appointed by the Concessioneing Authority for purposes of verifying that the Project/the Project Facilities and Services are operated and maintained in compliance with the Performance Standards and adhere to the Operations and Maintenance Standards and Safety Standards. Such verification shall be made annually. Additionally, the Concessionaire shall upon prior intimation by the Concessioneing Authority provide the authorized representatives of the Concessioneing Authority access to the Port's Assets/the Project Facilities and Services for inspection and review of operations and also to ascertain compliance with any of the requirements under this Agreement. Without prejudice to the generality of this

provision, it is agreed by the Concessionaire shall in particular extend all co-operation and information required by the Experts appointed by the Concessioneing Authority for conducting a safety audit and verifying that the Project / Project Facilities and Services are in strict compliance with the Safety Standards.

(viii) Reports

The Concessionaire shall provide to the Concessioneing Authority, Monthly reports on cargo traffic, unit gross output/ discharge rates at berth, daily output rated per vessel, Tariff earned and collected in respect of Project Facilities and Services and effective working time to waiting within 15 (fifteen) Days following the end of each Month, and any other information relating to operations which the Concessioneing Authority may require from time to time. If so desired by the Concessioneing Authority, the Concessionaire shall provide the reports in prescribed formats and in electronic form so as to provide online access to the Concessioneing Authority and its representatives.

(ix) Computer System and Network

The Concessionaire shall install, operate and maintain such computer system and network (such as Electronic Data Interchange and Port Community System) and follow such protocol as the Concessioneing Authority may specify from time to time.

(x) Security Arrangements

The Concessionaire may make his own arrangements for security in the Project Site / Port Assets and with respect to the Project provided the Concessionaire shall abide by the security regulations / procedures prescribed by the Concessioneing Authority or a Government Authority from time to time. It shall also conform to and assist the Concessioneing Authority or any authority responsible therefor in conforming to the International Ship and Port facility Security Code ("ISPS Code") and such other codes / requirements of

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International Maritime Organization as may be applicable to India from time to time.

(xi) Employment of Personnel

The Concessionaire shall employ qualified and skilled personnel required to operate the Project Facilities and Services. The terms of employment may be as deemed fit by the Concessionaire and the Concessionaire shall comply with all Applicable Laws and bear all costs in this regard. Without prejudice to the generality of this provision, all requisite approvals for employment of personnel of foreign origin or nationality shall be obtained by the Concessionaire prior to engaging such personnel. Failure to obtain approval will not amount to a Force Majeure Event. All employees shall always remain the Concessionaire's responsibility.

Further, the Concessionaire shall comply with the requirements of employing the existing personnel / labour as agreed to and set out in Appendix 11. All labour law compliances shall be that of the Concessionaire alone

(xii) Minimum Guaranteed Cargo

The Concessionaire hereby unconditionally guarantees the Concessioning Authority annual cargo handling of the levels set out in Appendix-14 ("Minimum Guaranteed Cargo") and agrees that except as provided in this Agreement, it shall not be entitled to any relaxation of its guarantee in this respect.

(xiii) Indemnity Against Claims for Loss of Goods

Notwithstanding anything contained in the MPT Act or any other law for the time being in force, the Concessionaire shall be responsible for meeting any claim, action, suit or proceeding (the "Action") by any third party alleging the loss, destruction or deterioration of goods of which charge has been taken by the Concessionaire and indemnify, save and hold harmless the

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Concessioning Authority, its officers, employees, agents and representatives (the "Indemnitees") against all claims which may be asserted against or suffered and legal fees and costs incurred and which relate to any such goods, provided that notice of the Action received by the Indemnatee(s) shall be forwarded to the Concessionaire expeditiously and in any case within 7 (Seven) Days of the receipt thereof by any of the Indemnitees. Provided further that the Indemnitees shall have the right but not the obligation, to contest, defend and litigate any Action by any third party alleged or asserted against any of such Indemnitees in respect of, resulting from, related to or arising out of any matter for which it is to be indemnified hereunder, and reasonable costs and expenses thereof shall be indemnified by the Concessionaire. If the Concessionaire acknowledges in writing its obligation to indemnify the Indemnitees in respect of loss to the full extent, the Concessionaire shall be entitled, at its option, to assume and control the defence of such Action at its expense and through the counsel of its choice; provided it gives prompt notice of its intention to do so to the Indemnitees and reimburses to them for the reasonable cost and expenses incurred by them prior to the assumption of such defence by the Concessionaire. In such case the Indemnitees shall not be entitled to settle or compromise any Action without the prior written consent of the Concessionaire, which consent shall not be unreasonably withheld or delayed. This indemnity shall survive termination of this Agreement.

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(b) Rights of Concessionaire

(i) Preferential and Priority Berthing

The Concessionaire may offer preferential or priority berthing to any one or more shipping lines or vessel owners/operators to optimize the use of the Project Facilities and Services. Such preferential or priority berthing shall be subject to the priority berthing norms as may be mutually determined by the Parties in accordance with Applicable Laws or guidelines issued by the Government from time to time in respect thereof, if any.

(ii) Unclaimed cargo

The Concessionaire may at its cost:

- (a) after obtaining prior written approval of the Commissioner of Customs or other competent Government Authority and in accordance with the provisions of Applicable Law, destroy or dispose off by way of public auction and/or tender, any unclaimed cargo, the charge of which has been taken by Concessionaire under or pursuant to this Agreement, and always subject to provisions of MPT Act and other laws in this regard.
- (b) institute proceedings for recovery of unrealized charges, if any, in its name and / or defend any claim made in respect of such cargo by consignee / owners. The Concessioning Authority agrees to provide all reasonable assistance necessary in this regard to the Concessionaire.

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(c) **Obligations of the Concessioneing Authority**

In addition to any of its other obligations in this Agreement, the Concessioneing Authority shall arrange for and provide the following:

(i) **Marine and Port Services**

The Concessioneing Authority shall provide / cause to be provided, to the Concessionaire, the following services:

- (a) scheduling the entry, berthing and sailing of the vessels, Pilotage and towage on a non-discriminatory basis subject to priority berthing norms and the sailing schedule as determined by the Deputy Conservator of the Port depending on individual ship characteristics and tidal conditions.
- (b) maintenance of the outer harbour approach / Entrance Channel depth at (-)20.0m at present and as per the deepening plans of the Concessioneing Authority in future.;
- (c) waterside safety and safety of navigation;
- (d) Maintenance of the Dredged depth at Berth in the area beyond 60m from the face line of the berth to the design depth as per the deepening plans of the Concessioneing Authority.
- (e) Maintenance of commensurated dredged depths at Turning Basin including Access Channels.
- (f) carry out maintenance dredging operations, if any that may be required ~~intems of~~ Article 7.1(c)(b), 7.1(c)(d) and 7.1(c)(e) to ensure the draft to be provided or maintained at the levels agreed under this Agreement, with minimum inconvenience to or dislocation of the Project Facilities and Services;
- (g) provision and maintenance of all general port infrastructure other than those covered under the Concession, necessary for management, operation and maintenance of the Project Facilities and Services;

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(h) assist the Concessionaire in securing the assistance of CISF or the relevant Government Authority as may be necessary to prosecute any persons for any offence committed by them within the Project Site ; and

(i) evolve mutually acceptable mechanism for sharing of common costs by existing and future terminal operators.

(ii) Approvals

The Concessioneing Authority shall promptly grant approvals/ consents sought by the Concessionaire as required under this Agreement subject to the Concessionaire having complied with all Applicable Laws / requirements in this regard.

(iii) Cargo handling operations during construction period shall be continued by the Concessioneing Authority.

7.2 Utilities and Services

The Concessioneing Authority shall during the Concession Period provide access to the Concessionaire to all infrastructure facilities and utilities including water, electricity and telecommunication facilities necessary for the implementation, operations and maintenance of the Project/ Project Facilities and Services in accordance with this Agreement, at rates and on terms no less favourable to the Concessionaire than those generally available to commercial customers availing substantially equivalent facilities and utilities. Provided unless otherwise agreed to by the Concessioneing Authority:

(a) the power made available shall be as received by the Concessioneing Authority from A.P.TRANSOCO.

(b) the water made available shall be as received by the Concessioneing Authority from Greater Visakhapatnam Municipal Corporation (GVMC). The take off point for water shall be the nearest available water line;

(c) the Concessionaire shall, at its cost, and to the satisfaction of the

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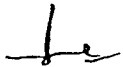
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Concessioneing Authority, install meters to measure the consumption of power and water. The Concessioneing Authority does not warranty the reliability, quality and quantity of water and power and shall not be liable in any manner for the shortage in or non-supply of these utilities;

- (d) The Concessionaire may, at its cost, make alternate arrangements for power including but not limited to installation of generators, subject to obtaining Applicable Permits, if any, therefor.

7.3 Liability for shortfall in performance

In the event the Concessioneing Authority, whether from the review of reports submitted by the Concessionaire in accordance with the provisions of this Agreement or otherwise, observes that the Project / Project Facilities and Services do not comply with the Performance Standards or fall short of the Performance Standards, the Concessioneing Authority shall calculate the amount of liquidated damages payable by the Concessionaire in accordance with Appendix 15 of this Agreement and demand the Concessionaire by a notice in writing to pay the same within 30 (thirty) Days and on failure of the Concessionaire to pay the same recover the amount from the Concessionaire. Provided that on receipt of the demand the Concessionaire may make a written representation to the Concessioneing Authority which shall be considered by the Concessioneing Authority on merits and the Concessioneing Authority may waive the liquidated damages in part or full, if it is satisfied that the Concessionaire has been carrying out its obligations diligently and efficiently and the shortfall to be waived was on account of reasons beyond the control of the Concessionaire. It is clarified that this provision does not prejudice the rights of the Concessioneing Authority upon a Concessionaire Event of Default as set out in Article 15 including the Concessioneing Authority's right to terminate this Agreement which shall remain unaffected.



ARTICLE 8

TARIFF

8.1 Levy and Recovery of the Tariff

The Concessionaire shall be entitled to recover Tariff from the users of the Project Facilities and Services as per the Tariff Notification, an extract of which is set out in Appendix 12. The Tariffs shall be revised in the manner set out in Appendix 12 and duly notified from time to time by the TAMP under Sections 48, 49 and 50 of the MPT Act or such other competent authority under the Applicable Laws. The Tariff Notification prescribes the maximum Tariff that can be levied by the Concessionaire and the Concessionaire may charge lower than the rates prescribed. As of the date hereof, the applicable Tariff guidelines are as set out in Appendix 12. The Concessionaire shall, subject to Article 8.2 hereunder, deposit all Tariff and other receipts in relation to the Project Facilities and Services in the Escrow Account and shall not make any such deposits to any other account either of the Concessionaire or of any other person.

8.1.2 The Concessionaire hereby acknowledges and agrees that it is not entitled to any revision of Tariff or other relief from the Concessioneing Authority or any Government Instrumentality, except in accordance with the express provisions of Agreement, the Concessionaire further acknowledges and hereby accepts the risk of inadequacy, mistake or error of facts, assumptions or projections in the Tariff order issued by TAMP and agrees that the Concessioneing Authority shall not be liable for the same in any manner whatsoever to the Concessionaire.

8.2 Collection of Cesses and Charges

The Concessionaire shall collect all cesses and charges including infrastructure cess, if any levied on the users as may be requested by the Concessioneing Authority, on behalf of the Concessioneing Authority and remit the same to the Concessioneing Authority. Provided, the Concessionaire shall be duly authorized by the Concessioneing Authority or such other authority as may be competent in this regard, for the purpose of such collection.

8.3 During construction period the berth hire shall accrue to the Concessionaire and Port dues, Pilotage, and wharfage shall accrue to the Concessioneing Authority.

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ARTICLE 9

PAYMENTS TO THE CONCESSIONING AUTHORITY

9.1 License Fee

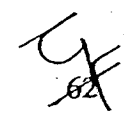
- (a) The Concessionaire shall, as consideration for the use, in its capacity as a bare licensee of the Project Site and the equipment comprised in the Port's Assets, made available in accordance with Article 2.4, pay to the Concessioneing Authority the sum of Rs. 24.16 million (Rupees twenty four decimal one six million only) as specified in the bid documents (the "License Fee") for the extent of land measuring 1,29,930 Sq.m. comprising of 1,22,330 Sq.m. for the development of stack yard (including handling facilities) in the Eastern Yard, 6,600 Sq.m. for conveyor corridor and 1,000 Sq.m. for office & operational buildings with an escalation of 2% per annum.

The Concessionaire shall pay such License fee in advance every year till the end of license period as per Schedule of Rates prevailing from time to time and first of such payments to be made upon entering into the Concession Agreement. In addition to the above, the Concessionaire shall pay for the above land, one year license fee of Rs. 24.16 million (Rupees twenty four decimal one six million only) as aforesaid as non-refundable premium (one time payment) and 5 (five) years license fee of Rs. 120.82 million (Rupees one hundred and twenty decimal eight two million only) as refundable security deposit which can be in the form of Bank Guarantee.

The Concessionaire shall also pay to the Concessioneing Authority one time upfront fee of Rs. 333.20 million (Rupees three hundred thirty three decimal two zero million only) towards the value of the existing berth made available by the Concessioneing Authority.

The present applicable rates in respect of land utility and services are as per Appendix 13.

- (b) Any delay in payment of the amount in the preceding sub-clause (a) shall entail payment of interest @ SBI PLR plus 2% (two percent) per annum on the amount outstanding.



9.2 Payments of Royalty

- (a) The Concessionaire shall pay to the Concessioneing Authority Royalty per Month equivalent to 38.10 % (Thirty eight decimal one zero percent) of the Gross Revenue chargeable by the Concessionaire ("the Royalty").
- (b) Gross Revenue shall be computed on the basis of the maximum Tariffs leviabie for and in respect of the Project Facilities and Services provided during the relevant period of computation. It is clarified that discounts and deferments, if any offered by the Concessionaire to the users or amounts if any not collected by the Concessionaire for any reason whatsoever in respect of the Project Facilities and Services, shall be ignored for the purpose of Gross Revenue,. Further, in computing the Gross Revenue, Income from interest, sale of assets, amounts received by the Concessionaire by way of damages from third parties (excepting damages received from the users on account of demurrage or such other related charges in respect of the Project Facilities and Services), taxes and cesses in respect to the Project Facilities and Services, if any collected and paid to any Government Authority shall also be ignored.
- (c) Royalty for each Month shall be paid on or before the seventh Day of the immediately succeeding Month.
- (d) The payment of Royalty shall commence from the Month in which the Concessionaire commences to provide any Project Facilities and Services, and shall be irrespective of Date of Commercial Operation.
- (e) Royalty amounts remaining unpaid on respective due dates would carry interest @ SBI PLR plus 2% (two percent) per annum from the due date till the date of payment or realization thereof.

9.3 Utilities or Services

The Concessionaire shall also pay rent or other charges for any premises (other

than the Project Site / Project Assets) or additional utilities, or services, made available by the Concessioneing Authority to the Concessionaire in accordance with the terms, conditions and covenants including on payment of rates specified by the Concessioneing Authority. Such rates shall be the Schedule of Rates in respect of land and twice the Scale of Rates for all other utilities and services as may be notified by the competent authority in respect thereof from time to time (the present rates applicable in respect of land, utilities and services are set out in Appendix 13).

9.4 Certified Accounts

During the subsistence of this Agreement, the Concessionaire shall maintain all documents and supporting evidences for its financial statements including agreements and documents with respect to all capital and debt raised by the Concessionaire; capital and revenue expenses towards the Project, ship / vessel / user wise information, and, as relevant, the details of cargo handled by category, tariffs charged and the amount of rates received. The Concessionaire shall submit to the Concessioneing Authority a financial statement of the Gross Revenue for every 6 (six) monthly period ending 30th September and 31st March every year, duly certified by its Statutory Auditors. The certificate must be furnished within 30 (thirty) Days of the end of each such period.

The Concessioneing Authority shall, at its own cost, have the option to appoint another firm of chartered accountants duly licensed to practice in India (the "Additional Auditor") to conduct a special audit of the Gross Revenue and the financial statements, documents and supporting evidences thereto as may be mandated by the Concessioneing Authority and report to the Concessioneing Authority such information as may be desired by the Concessioneing Authority for any period and the Gross Revenue ("Special Audit").

In the event that the Gross Revenue reported by the Additional Auditor is higher than that reported by the Statutory Auditor, the auditors shall meet to resolve such differences and if they are unable to resolve the same the Concessionaire shall pay Royalty on the Gross Revenue reported by the Additional Auditor. The Concessionaire shall also pay interest @ SBI PLR plus 2% (two percent) on the

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difference between the Royalty paid by the Concessionaire based on the Gross Revenue reported by the Statutory Auditor and that payable by the Concessionaire based on the Gross Revenue reported by the Additional Auditor for the intervening period between the payment of the Royalties as above. Further the Concessionaire shall reimburse all costs, charges and expenses related to the Special Audit. Without prejudice to the aforesaid, if the difference between the Gross Revenue reported by the Additional Auditor and that reported by the Statutory Auditor is higher than 5% (five percent), the Concessioning Authority shall at its sole discretion have the right to require a Special Audit for the entire outstanding tenure of the Concession.

9.5 Escrow Account

The Concessionaire shall maintain an escrow account with a bank approved by the Lenders ("Escrow Account"), during the subsistence of this Agreement and enter into an agreement substantially in the format prescribed in Appendix 16 with such bank to ensure that all proceeds for financing the Project and all revenues and other receipts arising from the Project and under any agreements, including this Agreement received by the Concessionaire are deposited into such Escrow Account. Provided, the Concessionaire shall not deposit any amounts including the cesses and duties collected by it from the users on behalf of the Concessioning Authority or such other authority in accordance with Article 8.2 hereof or pursuant to any other instructions in respect thereof in the Escrow Account and shall deposit the same in a separate account dedicated for the same and maintained by it in trust for the Concessioning Authority or such other authority.

(a) Withdrawals and appropriations during the Concession Period, at any relevant time, from the Escrow Account shall be in the following order of priority :

- (i) for all taxes due and payable by the Concessionaire;
- (ii) towards payment of License Fee;

- (iii) all construction / implementation expenses relating to the Project / Project Facilities and Services, subject to limits if any set out under the Financing Documents;
- (iv) all expenses relating to operations and management of the Project / Project Facilities and Services, subject to limits if any set out under the Financing Documents;
- (v) towards its debt service obligations under the Financing Documents;
- (vi) towards payment of Royalty and other sums payable to the Concessioning Authority and liquidated damages, if any;
- (vii) towards any reserve requirements in accordance with the Financing Documents;

and the Concessionaire shall be at liberty to withdraw any sums outstanding in the Escrow Account after all the aforesaid payments due in any Quarter have been made and / or adequate reserves have been created in respect thereof for that Quarter. Provided, upon issuance of Termination Notice and/or suspension of the Concessionaire in accordance with the provisions of this Agreement, withdrawal from the Escrow Account shall be made only in accordance with the written instructions of the Concessioning Authority and the Lenders.

- (b) All amounts standing to the credit of the Escrow Account at the end of the Concession Period including amounts credited to the Escrow Account towards compensation payable in accordance with Article 17 shall be appropriated in the following order of priority:

- (i) towards taxes and statutory dues payable by the Concessionaire;
- (ii) compensation to Lenders in terms of the Financing Documents towards discharge of the Concessionaire's liability under such Financing Documents;
- (iii) all amounts due to the Concessioning Authority and amounts payable towards transfer of the Project Facilities and Services by the

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Concessionaire in accordance with this Agreement;

and the Concessionaire shall be at liberty to withdraw any sums outstanding in the Escrow Account after all the aforesaid payments due have been made and / or adequate reserves have been created in respect thereof to the satisfaction of the Lenders and the Concessioneing Authority.

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ARTICLE 10

ASSETS: OWNERSHIP AND PERMITTED CHARGE


10.1 Ownership of Assets

(a) Land and Water Area

The ownership of the Project Site and Port's Assets shall always remain vested with the Concessioneing Authority. The rights of the Concessionaire in the Project Site and Port's Assets shall only be that of a bare licensee of such assets and the Concessionaire shall neither assign, transfer, sublet, create any charge or Encumbrance, nor shall the Concessionaire create or permit creation of any third party rights whatsoever, on whole or any part of the Port's Assets or Project Site. Further, any such rights of the Concessionaire shall always be subject to existing rights of way. It is expressly agreed that the Concessionaire's rights in the Project Site and / or the Port's Assets shall cease without the need for any action to be taken by the Concessioneing Authority upon the termination of this Agreement for any reason whatsoever.

(b) Assets created or provided by the Concessionaire

The ownership of all infrastructure assets, buildings, structures, berths, wharfs, equipment and other immovable and movable assets constructed, installed, located, created or provided by the Concessionaire at the Project Site and/or in the Port's Assets pursuant to this Agreement shall, until expiry of this Agreement or transfer to the Concessioneing Authority on Termination in accordance with this Agreement, be with the Concessionaire. However, such ownership of buildings etc. erected by the Concessionaire at the Project Site shall not be construed as and shall not confer any rights in the Project Site or other Port's Assets upon the Concessionaire, save as that of a bare licensee as provided for in this Agreement.



10.2 Permitted Charge on Assets

The Concessionaire shall be entitled to create a charge on its rights, title and interest in the assets referred to in Article 10.1(b) in favour of Lenders for securing the Financial Assistance provided or agreed to be provided by them under the Financing Documents. Provided, any such charge shall not be effective before Financial Close and shall not continue for a period exceeding the Concession Period.

Provided further, that such charge shall not be for the Project Site nor encumber the Project Site and/or the Port's Assets.

Provided further, in the event of termination of this Agreement, the said charge shall stand extinguished upon payment of compensation by the Concessioneing Authority to the Lenders, to the extent they are entitled to receive the same in accordance with the provisions of this Agreement.

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ARTICLE 11

SHAREHOLDING

11.1 Ownership Structure

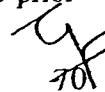
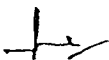
The Applicant / Consortium has caused the Concessionaire to be incorporated as a special purpose company to implement, operate and maintain the Project / Project Facilities and Services in accordance with this Agreement. The shareholding pattern of Concessionaire / each member of the Consortium in the Concessionaire, as on the date of signing the Concession Agreement, is M/s. Sterlite Industries (India) Limited holding 99.99% (i.e. 9,999 equity shares of Rs. 10 each) and Mr. Vinod Bhandawat holding 00.01% as a nominee of M/s. Sterlite industries (India) Limited (i.e. 1 equity share of Rs. 10). However, as per the undertaking by the other consortium partner, Leighton Contractors (India) Private Limited, 26% equity shares will be acquired/ subscribed to by them within 60 days of the date of this Concession Agreement

11.2 Shareholding

The Concessionaire shall ensure that the Applicant / members of the Consortium maintain Management Control at least until expiry of the Exclusivity Period as also maintain their equity holding in the Concessionaire such that:

- (a) The Applicant / members of the Consortium legally and beneficially hold not less than 51% (fifty one percent) of its paid up equity capital until 3 (three) years after Date of Commercial Operations and not less than 26% (twenty six percent) of its paid up equity capital during the balance Concession Period; and
- (b) M/s Sterlite Industries (India) Limited ("Lead Member") legally and beneficially holds at any time not less than 50% (fifty percent) of the Consortium's holding in the paid up equity capital of the Concessionaire.

Notwithstanding the aforesaid, any Transfer of shareholding in the Concessionaire and / or direct or indirect change in the Management Control of the Concessionaire, including by way of a restructuring or amalgamation, shall only be with the prior



written approval of the Concessioneing Authority which consent shall not be withheld except (i) for reasons of national security; or (ii) if the Person proposed for assuming such Management Control would by virtue of the restrictions imposed under the Applicable Law or the conditions of bidding (including restrictions to avoid anti-competitive and monopolistic practice) and/or public policy be disqualified from undertaking the Project.

Provided, nothing contained in this Article shall preclude or prevent pledge of shares in the Concessionaire in favour of Lenders as security for the Financial Assistance subject to the enforcement and consequent Transfer thereof only with the prior written consent of the Concessioneing Authority as stated hereinbefore and in accordance with the Financing Documents.

11.3 Constituent Documents

The Concessionaire shall ensure that its Articles of Association (AOA) adequately reflect the aforesaid and the relevant commitments, obligations and responsibilities of the Applicant/Consortium.

In particular, the AOA and the Memorandum of Association (MOA) of the Concessionaire shall be amended within 3 (three) months of the Date of Award of Concession to include the terms and conditions regarding the composition of share-holding and management stipulated in this Agreement; and terms and conditions related to changes in the share-holding pattern stipulated in this Agreement. The Concessionaire shall submit the amended AOA and the MOA to the Concessioneing Authority as soon as may be reasonably possible.

Any subsequent change in the AOA or the MOA which alter the provisions required by this Article shall require the prior approval of the Concessioneing Authority and the AOA and MOA of the Concessionaire shall include a specific provision to this effect:

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ARTICLE 12

GENERAL RIGHTS, DUTIES AND OBLIGATIONS

12.1 Of the Concessionaire

(a) Applicable Permits

The Concessionaire shall at all times during the Concession Period maintain and comply with the Applicable Permits.

(b) Taxes & duties

The Concessionaire shall during the Concession Period pay in a timely manner all taxes, duties, levies, VAT, cess and charges including but not limited to income tax, sales tax, excise duty, customs duty, service tax and octroi that may be levied, claimed or demanded from time to time by any Government Authority including any increase therein effected from time to time from any Government Authority, in respect of the Project/ the Project Facilities and Services.

(c) Insurance

(i) Insurance Requirement

The Concessionaire shall, at its cost and expense, purchase and maintain insurances as are prudent, including but not limited to the following:

(a) Builder's all risk insurance;

(b) Loss, damage or destruction of the Project Facilities and Services, at replacement value;

(c) Comprehensive third party liability insurance including

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injury or death to personnel of the Concessioneing Authority and others who may enter the Project Site or the Port's Assets;

- (d) Workmen's compensation insurance;
- (e) Marine cum storage cum erection insurance; and
- (f) Any other insurance that may be necessary to protect the Concessionaire, its employees and its assets and the Concessioneing Authority, its employees and agents engaged in or connected to the Project and the Project Site and Port Assets (against loss, damage or destruction at replacement value) including all Force Majeure Events that are insurable and not otherwise covered in items (a) to (e).

(ii) Insurance Cover & Insurance Companies

The Concessionaire shall insure all insurable assets comprised in the Port's Assets and/or the Project Facilities and Services and all insurable risks associated with the Project to the extent advisable in accordance with Good Industry Practice ("Insurance Cover").

(iii) Evidence of Insurance Cover

The Concessionaire shall, from time to time, provide to the Concessioneing Authority copies of all insurance policies (or appropriate endorsements, certifications or other satisfactory evidence of insurance) obtained by the Concessionaire in accordance with this Agreement.

(iv) Application of Insurance Proceeds

Subject to the provisions of the Financing Documents, all moneys received under insurance policies shall be promptly applied by the Concessionaire towards repair or renovation or restoration or substitution of the Port Assets and the Project Facilities and

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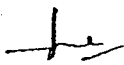
Services or any part thereof which may have been damaged or destroyed and in respect of which the claim is lodged. The Concessionaire may designate the Lenders as the loss payees under the insurance policies / assign the insurance policies in their favour as security for the Financial Assistance. The Concessionaire shall carry out such repair or renovation or restoration or substitution to the extent possible in such manner that the Project Facilities and Services or any part thereof, shall, after such repair or renovation or restoration or substitution be as far as possible in the same condition as they were before such damage or destruction, normal wear and tear excepted.

(v) Validity of the Insurance Cover

The Concessionaire shall pay the premium payable on such insurance policy(ies) so as to keep the policy(ies) in force and valid throughout the Concession Period and furnish copies of the same to the Concessioneing Authority. Each insurance policy shall provide that the same shall not be cancelled or terminated unless 10 (ten) Days' clear notice of cancellation is provided to Concessioneing Authority in writing. If at any time the Concessionaire fails to purchase and maintain in full force and effect any and all of the insurances required under this Agreement, the Concessioneing Authority may at its option purchase and maintain such insurance and all sums incurred by the Concessioneing Authority therefor shall be reimbursed with interest @ SBI PLR plus 2% (two percent) per annum by the Concessionaire forthwith on demand, failing which the same shall be recovered by the Concessioneing Authority by exercising right of set off or otherwise.

(vi) Waiver of Subrogation

All insurance policies procured in terms of the provisions hereof shall include a waiver of any right of subrogation of the insurers there under against, interalia, the Concessioneing Authority and its



assigns and successors and their respective subsidiaries, affiliates, employees and of any right of the insurers of any set-off or counterclaim or any other deduction, whether by attachment or otherwise, in respect of any liability of any such person insured under any such policy or in any way connected with any loss, liability or obligation covered by such policies of insurance.

(d) Indemnification

The Concessionaire shall during the pendency of this Agreement and thereafter until all claims and demands in respect to the acts and omissions during the period of the Agreement as described hereunder are duly settled, indemnify and keep indemnified and otherwise save harmless, the Concessioneing Authority, its agents and employees, from and against all claims, demands made against and / or loss caused and / or damages suffered and/or cost, charges / expenses incurred to and / or penalty levied and / or any claim due to injury to or death of any person and / or loss or damage caused or suffered to property owned or belonging to the Concessioneing Authority, its agents and employees or third party as a result of any acts, deeds or thing done or omitted to be done by the Concessionaire or as a result of failure on the part of the Concessionaire to perform any of its obligations under this Agreement or on the Concessionaire committing breach of any of the terms and conditions of this Agreement or on the failure of the Concessionaire to perform any of its duties and/or obligations including statutory duties or as a consequence of any notice, action, suit or proceedings, given, initiated, filed or commenced by consignee or owner of goods or vessel owner / agent or its employees or any third party or Government Authority or as a result of any failure or negligence or default of the Concessionaire or its Contractor(s), sub-contractor(s), or employees, servants, agents of such Contractor(s) and / or sub-contractor(s) and / or invitees as the case may be, in connection with or arising out of this Agreement and / or arising out of or, in connection with the Concessionaire's use and occupation of the Project Site or Port's Assets and / or construction, operation and maintenance of the Project Facilities and Services.

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(e) Assignability

Except as otherwise provided in this Agreement, the Concessionaire shall not assign its rights, title or interest in this Agreement in favour of any Persons without prior written consent of the Concessioneing Authority.

Provided the Concessionaire may assign its rights, interests and benefits under this Agreement to the Lenders as security for the Financial Assistance. Provided further nothing contained in this Article shall:

- (i) absolve the Concessionaire from its responsibilities to perform / discharge any of its obligations under and in accordance with the provisions of this Agreement; and
- (ii) authorize or be deemed to authorize the Lenders to operate the Project Facilities and Services themselves and any such assignment to operate shall be in terms of the Substitution Agreement.

(f) Engagement of Contractors

The Concessionaire shall engage the Management Contractor and execute the Management Contract, thereby entrusting the Management Contractor with the responsibilities of operating and managing the Project Facilities and Services in the manner envisaged under the Request for Proposal.³² A copy of the Management Contract shall be provided to the Concessioneing Authority and the same shall not be amended, substituted or revoked without the prior written consent of the Concessioneing Authority.

The Concessionaire may engage any Person possessing the requisite skill, expertise and capability for designing, engineering, procurement and construction of civil / mechanical / electrical engineering structures / equipment, and / or operation and maintenance of the Project Facilities and Services.

Provided:

- (i) the Concessionaire shall at all times be solely responsible for all its

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obligations under this Agreement notwithstanding any such engagement and anything contained in any Project Contracts or any other agreement, and no default under any Project Contract or agreement shall excuse the Concessionaire from its obligations or liability hereunder and the Concessionaire shall at all times be solely responsible for non performance or for any defect, deficiency or delay in the construction and erection and / or installation of the structures / equipment or any part thereof and for the operation and maintenance of the Project / the Project Facilities and Services in accordance with the provisions of this Agreement;

- (ii) the Concessionaire should have obtained requisite security clearance for the Contractor the Concessionaire intends to engage;
- (iii) the Concessionaire shall ensure that the Project Contracts contain provisions that entitle the Concessioning Authority to step into such contract in its sole discretion in substitution of the Concessionaire in the event of termination or suspension of this Agreement; and
- (iv) any contract that it enters with an Affiliate in respect of the Project shall be on an arms length basis.

(g) **Condition Survey**

- (i) The Concessionaire agrees that at least 6 (six) Months prior to the expiry by efflux of time of the Concession Period, it shall, cause to be conducted at its cost by an Expert appointed by the Parties by mutual consent, a condition survey and an inventory of the entire Project Facilities and Services. If, as a result of such survey, the Expert shall observe/notice that the Port's Assets and/or the Project Facilities and Services or any part thereof have/has not been operated and maintained in accordance with the requirements therefor under this Agreement (normal wear and tear excepted) the Concessionaire shall, at its cost and expenses, take all necessary steps to put the same in good working condition well before the Transfer Date. In the event the Concessionaire fails to comply with this provision, the

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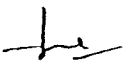
Concessions Authority may itself cause the condition survey and inventory of the Port's Assets and Project Facilities and Services to be conducted and remove any defect or deficiency. The Concessions Authority shall be promptly reimbursed by the Concessionaire for the costs incurred in conducting such survey and preparation of inventory as also in putting the Project Facilities and Services in a good working condition.

- (ii) The Concessionaire shall as security for performance of its obligation in the preceding sub-article (i), provide/submit to the Concessions Authority a guarantee issued by a scheduled bank in India for a sum of Rs.222.05 Millions (Rupees Two hundred twenty two decimal zero five Million) at least 2 (two) years prior to the expiry of the Concession Period. In the event of Concessionaire's failure to provide such guarantee, the same shall be deemed to be a Concessionaire Event of Default and the Concessions Authority shall accordingly be entitled to terminate this Agreement in accordance with Article 15.

12.2 Of the Concessions Authority

(a) Assistance in obtaining Approvals, Permits and Licenses

The Concessions Authority shall, at the written request of the Concessionaire, but without guarantees and / or without assuming any responsibility in that behalf, issue recommendatory letters and make best efforts to assist the Concessionaire in obtaining all the Applicable Permits including renewals thereof. Provided that, nothing contained in this Article shall relieve the Concessionaire of its obligations under this Agreement to obtain the Applicable Permits and to keep them in force and effect throughout the Concession Period.



(b) Taxes and Duties

Any levy or levies including increase therein of taxes, duties, cess and the hike, on account of / in respect of Port's Assets payable to the State Government or any statutory authority shall be met and paid by the Concessioning Authority.

(c) Competing Facilities

The Concessioning Authority shall not operationalise any additional facility within Port Limits for handling Coking coal and Steam coal either on its own or through any other Person until the earlier of (i) 5 (five) years from the Scheduled Project Completion Date; or (ii) the average annual volume of cargo handled at the Project Facilities and Services reaches a level of 75% (seventy five percent) of Project Capacity for 2 (two) consecutive years ("Exclusivity Period").

Provided, this restriction shall not apply to the additional facility envisaged as below.

- i) Development of Eastern Quay 1A (EQ1A) berth on south side of EQ1 berth for handling Thermal Coal and Steam Coal in Inner harbour of Visakhapatnam Port on Design, Build, Finance, Operate and Transfer (DBFOT) Basis.
- ii) Development of Eastern Quay 1 (EQ1) berth by replacing the existing EQ1 berth and part of EQ2 berth for handling Steam Coal in Inner harbour of Visakhapatnam Port on Design, Build, Finance, Operate and Transfer (DBFOT) Basis.
- iii) Development of WQ-7 berth including mechanized handling facility in the northern arm of Inner harbour of Visakhapatnam Port for handling Alumina, and other bulk cargo on DBFOT basis.
- iv) Development of WQ8 berth including mechanized handling facility in the northern arm of Inner harbour of Visakhapatnam Port for handling Alumina, Sand and other bulk cargo on DBFOT basis.
- v) Development, of WQ-6 berth in the northern arm of Inner harbour of Visakhapatnam Port for handling dry bulk cargo like C.P.Coke, LAM Coke, Steel and Granite blocks on DBFOT basis.

- vi) Mechanisation of Iron ore handling facilities at WQ1 berth of Inner Harbour on DBFOT basis.

(d) General rights of inspection and verification

The Concessioning Authority may during the pendency of the Agreement itself or by appointment of Experts verify the performance of obligations of the Concessionaire as set out in this Agreement.

- (e)** The Concessioning Authority at the discretion of the Central / State Government may induct CISF or such other force as the Central / State Government decides whenever necessary for security in the Project Site / Port Assets at the cost of the Concessioning Authority.

12.3 Of the Concessioning Authority and the Concessionaire

(a) Compliance with Laws and Regulations

The Parties shall perform their respective obligations under this Agreement in accordance with the Applicable Laws and Applicable Permits.

(b) Rights to Documents

(i) Concessioning Authority's Documents

Documents and computer programs or copies thereof, if any, provided by the Concessioning Authority to the Concessionaire, shall always remain the property of the Concessioning Authority. Such documents, computer programs and / or copies shall not be used by the Concessionaire for the purposes other than for the Project. Such documents, computer programs and/or copies thereof shall, unless otherwise agreed upon by the Concessioning Authority, be returned by the Concessionaire to the Concessioning Authority on the Transfer Date.

(ii) Concessionaire's Documents

Documents and computer programs provided by the Concessionaire, or which are developed (and owned by the Concessionaire) for operation and/or maintenance of the Project / the Project Facilities and Services shall be handed over by the Concessionaire to the Concessioneing Authority free of cost on the Transfer Date.

(iii) Confidentiality

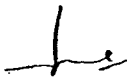
All confidential information and documents (whether financial, technical or otherwise) provided by either Party to the other shall not, unless compelled by law or the process of a Government Authority, be disclosed to any Person without the consent of the other Party with the exception of providing such information to legal advisors/auditors of the concerned party on a need-to-know basis. This covenant shall survive the Concession Period.

(iv) Obligation to Cooperate

The Parties shall mutually cooperate with each other in order to achieve the objectives of this Agreement.

(v) Substitution Agreement

The Substitution Agreement envisaged by Appendix 3 hereunder, will/may be executed within 30 (thirty) Days' of notice by the Concessionaire to the Concessioneing Authority of the Lenders' readiness to execute the same.



ARTICLE 13

CHANGE IN LAW

13.1 Change in Law

"Change in Law" means any of the following events which has a Material Adverse Effect:

- (a) adoption, promulgation, modification, reinterpretation or repeal after the date of this Agreement by any Government Authority of any statute, rule, ordinance, regulation or order, treaty, convention, directive, guideline, policy having force of law; or
- (b) the imposition by any Government Authority of any material condition (other than a condition which has been imposed as a consequence of a violation by the Concessionaire of any Applicable Permit) in connection with the issuance, renewal or modification of any Applicable Permits after the date of this Agreement which renders the performance by the Concessionaire of any of the terms of this Agreement impossible or unviable; or
- (c) any Applicable Permit previously granted, ceasing to remain in full force and effect for reasons other than breach / violation by or the negligence of the Concessionaire or if granted for a limited period, being renewed on terms different from those previously stipulated.

Provided any (i) imposition of new taxes, duties, cess and the like and / or the increase in taxes, duties, cess and the like effected from time to time by any Government Authority, and / or (ii) imposition of standards and condition of operations, maintenance and safety arising out of a new or revised Environmental Law; and/or (iii) imposition of standards and terms of employment and working conditions of labourers and workmen; and / or (iv) any rules or regulations stipulated by TAMP or other regulatory authority having jurisdiction over the Project in respect of the standards of service shall not constitute a Change in Law.

13.2 The Concessionaire's Remedy

- (a) In the event of Change in Law the Concessionaire may propose to the Concessioning Authority modifications to the relevant terms of this Agreement which are reasonable and intended to mitigate the effect of the Change in Law. Thereupon, the Parties shall, in good faith, negotiate and agree upon suitable changes in the terms of this Agreement including extension of the Concession Period, so as to place the Concessionaire in substantially the same legal and financial position as it were prior to such Change in Law. Provided however, that if the resultant Material Adverse Effect is such that this Agreement is frustrated or is rendered illegal or impossible of performance, the Change in Law shall be deemed to be a Political Event, whereupon the provisions with respect thereto shall apply.
- (b) In the alternative to the aforesaid, subject to the Concessionaire taking necessary measures to mitigate the impact or the likely impact of Change in Law on the Project, if as a direct consequence of a Change in Law, the Concessionaire is obliged to incur Additional Cost in any accounting year, any such Additional Cost above a sum of Rs.222.05 Millions (Rupees Two hundred twenty two decimal zero five Million) may at the option of the Concessioning Authority be borne by the Concessioning Authority. It is clarified that Additional Cost up to Rs.222.05 Millions (Rupees Two hundred twenty two decimal zero five Million) in any accounting year shall be borne by the Concessionaire;
- (c) Upon occurrence of a Change in Law, the Concessionaire shall notify the Concessioning Authority, of the following:
 - (i) the particulars, nature and the impact of Change in Law on the Project;

- (ii) in sufficient detail, the estimate of the Additional Cost likely to be incurred by the Concessionaire on account of the Change in Law; and
 - (iii) the measures, which the Concessionaire has taken or proposes to take to mitigate the impact of Change in Law, including in particular, minimising the Additional Cost.
- (d) Upon receipt of the notice of Change in Law issued by the Concessionaire pursuant to the preceding sub-article(c), the Concessioneing Authority and the Concessionaire shall hold discussions and take all such steps as may be necessary including determination / certification by an Expert, appointed by the Parties by mutual consent, of the Additional Cost and to determine the quantum of the Additional Cost to be incurred.
- (e) If it is determined that the only material impact of a Change in Law is Additional Cost and the Concessioneing Authority opts to compensate the same in accordance with the preceding sub-article (b), the Concessionaire shall not be entitled to any other remedy nor shall seek any alterations to the Agreement and the Concessioneing Authority shall, within 30 (thirty) Days from the date of determination of quantum of Additional Cost to be borne by the Concessioneing Authority in accordance with sub-article (b) above, compensate the Concessionaire in either of the following ways:
- (i) by lump-sum reimbursement of such Additional Cost to the Concessionaire;
 - (ii) reimbursement of the such Additional Cost to the Concessionaire, in not exceeding four half yearly installments, subject to payment of interest at SBI PLR + 2% (two percent) on the amount the payment of which is deferred.

Notwithstanding the aforesaid, if in terms of Good Industry Practice, the event constituting a Change in Law could be insured, the Concessionaire shall not be entitled to any remedy under this Article 13.2;

If as a result of Change in Law, the Concessionaire incurs a reduction in costs or other financial gain or benefit in connection with its development or operation of the Project, the aggregate financial effect of which exceeds Rupees 310.87 Millions in any Financial Year, the Concessionaire shall notify the Concessioneing Authority and pay to the Concessioneing Authority an amount that would put the Concessionaire in the same financial position it would have occupied had there been no such Change in Law resulting in such cost reduction, increase in return or other financial gain or benefit as aforesaid. Without prejudice to the aforesaid, the Concessioneing Authority may, by notice in writing require the Concessionaire to pay an amount that would put the Concessionaire in the same financial position it would have occupied had there been no such Change in Law resulting in such cost reduction, increase in return or other gain or benefit.

The Concessionaire shall make payment of such compensation within sixty (60) Days of the said financial benefit. If the Concessionaire shall dispute the quantum of such compensation claim of the Concessioneing Authority, the same shall be finally settled in accordance with the dispute resolution mechanism contained in Article 19 herein.



ARTICLE 14

FORCE MAJEURE

14.1 Force Majeure Event

As used in this Agreement, Force Majeure Event means the occurrence of any of the Non-Political Events, the Political Events or the Other Events in India, set out in Articles 14.2, 14.3 and 14.4 respectively including the impact / consequence thereof which :

- (a) is beyond the control of the Party claiming to be affected thereby (the "Affected Party");
- (b) prevents the Affected Party from performing or discharging its obligations under this Agreement; and
- (c) the Affected Party has been unable to overcome or prevent despite exercise of due care and diligence.

14.2 Non-Political Events

Any of the following events which prevent the Affected Party from performing any of its obligations for a continuous period of not less than 7 (seven) Days from the date of its occurrence, shall constitute a Non-Political Event:

- (a) act of God, epidemic, extremely adverse weather conditions, lightning, earthquake, cyclone, flood, volcanic eruption, chemical or radioactive contamination or ionizing radiation, fire or explosion (to the extent of contamination or radiation or fire or explosion originating from a source external to the Project Site and by reasons not attributable to the Concessionaire or the Contractor or any of the employees or agents of the Concessionaire or the Contractor);

- (b) strikes or boycotts (other than those involving the Concessionaire, Contractors or their respective employees / representatives, or attributable to any act or omission of any of them), and not being an Other Event set forth in Article 14.4, labour disruptions or any other industrial disturbances not arising on account of the acts or omissions of the Concessionaire or the Contractor;
- (c) any failure or delay of a Contractor caused by any of the Non-Political Events, for which no offsetting compensation is payable to the Concessionaire or on behalf of the Contractor;
- (d) the discovery of geological conditions, toxic contamination or archeological remains on the Project Site that could not reasonably have been expected to be discovered through a site inspection; or
- (e) any event or circumstance of a nature analogous to any of the foregoing.

14.3. Political Events

Any of the following events shall constitute Political Event:

- (a) Change in Law for which no relief is provided under the provisions of Article 13, resulting in Material Adverse Effect;
- (b) action of a Government Authority having Material Adverse Effect including but not limited to (i) acts of expropriation, compulsory acquisition or takeover by any Government Authority of the Project / Project Facilities and Services or any part thereof or of the Concessionaire's or the Contractor's rights under any of the Project Contracts, and (ii) any unlawful, unauthorized or without jurisdiction refusal to issue or to renew or the revocation of any Applicable Permits, in each case, for reasons other than the Concessionaire's or the Contractor's breach or failure in complying with the Project Requirements, Applicable Laws, Applicable

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Permits, any judgment or order of a Governmental Agency or of any contract by which the Concessionaire or the Contractor as the case may be is bound;

- (c) early determination of this Agreement by the Concessioneing Authority for reasons of national emergency, national security or the public interest;
- (d) any failure or delay of a Contractor caused by any of the aforementioned Political Events, for which no offsetting compensation is payable to the Concessionaire by or on behalf of the Contractor; or
- (e) any event or circumstance of a nature analogous to any of the foregoing.

14.4 Other Events

Any of the following events which prevents the Affected Party from performing any of its obligations under this Agreement for a continuous period of not less than 7 (seven) Days from the date of its occurrence, shall constitute the Other Event:

- (a) an act of war (whether declared or undeclared), invasion, armed conflict or act of foreign enemy, blockade, embargo, riot, insurrection, terrorist or military action, civil commotion or politically motivated sabotage;
- (b) industry wide or State wide strikes or industrial action;
- (c) any civil commotion, boycott or political agitation which prevents collection of Fee by the Concessionaire;
- (d) any judgment or order of a court of competent jurisdiction or statutory authority in India made against the Concessionaire or the Contractor in any proceedings which is non-collusive and duly prosecuted by the Concessionaire; and any judgment or order of a court of competent jurisdiction or statutory authority in India made against the Concessionaire or

the Contractor in any proceedings which is non-collusive and duly prosecuted by the Concessionaire other than relating to proceedings (i) pursuant to failure of the Concessionaire to comply with any Applicable Law or Applicable Permit, or (ii) on account of breach of any Applicable Law or Applicable Permit or of any contract, or (iii) enforcement of this Agreement or (iv) with respect to exercise of any of its rights under this Agreement by the Concessioning Authority; or

- (e) any event or circumstance of a nature analogous to any of the foregoing.

14.5 Notice of Force Majeure Event

- (a) The Affected Party shall give written notice to the other Party in writing of the occurrence of any of the Force Majeure Event (the "Notice") as soon as the same arises or as soon as reasonably practicable and in any event within 7 (seven) Days after the Affected Party knew, or ought reasonably to have known, of its occurrence and the adverse effect it has or is likely to have on the performance of its obligations under this Agreement.
- (b) The Notice shall inter-alia include full particulars of:
 - (i) the nature, time of occurrence and extent of the Force Majeure Event with evidence in respect thereof;
 - (ii) the duration or estimated duration and the effect or probable effect which such Force Majeure Event has or will have on the Affected Party's ability to perform its obligations or any of them under this Agreement;
 - (iii) the measures which the Affected Party has taken or proposes to take, to alleviate the impact of the Force Majeure Event or to mitigate the damage; and
 - (iv) any other relevant information.

- (c) So long as the Affected Party continues to claim to be affected by a Force Majeure Event, it shall provide the other Party with periodic (fortnightly) written reports containing the information called for by Article 14.5(b) and such other information as the other Party may reasonably request.

14.6 Period of Force Majeure

Period of Force Majeure shall mean the period from the time of occurrence specified in the Notice given by the Affected Party in respect of the Force Majeure Event until the earlier of:

- (a) expiry of the period during which the Affected Party is excused from performance of its obligations in accordance with Article 14.7; or
- (b) termination of this Agreement pursuant to Article 14.10 hereof.

14.7 Resumption of Performance

During the period of Force Majeure, the Affected Party shall in consultation with the other Party, make all reasonable efforts to limit or mitigate the effects of the Force Majeure Event on the performance of its obligations under this Agreement. The Affected Party shall also make efforts to resume performance of its obligations under this Agreement as soon as possible and upon resumption shall notify the other Party of the same in writing. The other Party shall afford all reasonable assistance to the Affected Party in this regard.

14.8 Performance Excused

The Affected Party, to the extent rendered unable to perform its obligations or part thereof under this Agreement as a consequence of the Force Majeure Event shall be excused from performance of the obligations. Provided that, the excuse from performance shall be of no greater scope and of no longer duration than is reasonably warranted by the Force Majeure Event. Provided further, nothing contained herein shall absolve the Affected Party from any payment obligations accrued prior to the occurrence of the underlying Force Majeure Event.

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14.9 Costs, Revised Timetable

(a) Costs

Each Party shall bear its costs, if any, incurred as a consequence of the Force Majeure Event.

(b) Extension of time / period

The Affected Party shall be granted by the other Party, extension of time specified in this Agreement for the performance of any obligation by such period not exceeding the period during which the relative performance was affected by the Force Majeure Event. Such extension may include extension of the Concession Period by the Concessions Authority in appropriate cases if permissible under Applicable Law.

14.10 Termination Due to Force Majeure Event

If the period of Force Majeure continues or is in the reasonable judgment of the Parties likely to continue beyond a period of 120 (one hundred and twenty) Days, the Parties may mutually decide to terminate this Agreement or continue this Agreement on mutually agreed revised terms. If the Parties are unable to reach an agreement in this regard, the Affected Party shall after the expiry of the said period of 120 (one hundred and twenty) Days be entitled to terminate the Agreement in which event, the provisions of Articles 16 and 17 shall, to the extent expressly made applicable, apply.

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ARTICLE 15

EVENTS OF DEFAULT

15.1 Events of Default

Event of Default means the Concessionaire Event of Default or the Concessioneing Authority Event of Default or both as the context may admit or require.

(a) The Concessionaire Event of Default

The Concessionaire Event of Default means any of the following events unless such an event has occurred as a consequence of the Concessioneing Authority Event of Default or a Force Majeure Event:

- (i) the Concessionaire's failure to perform or discharge any of its obligations in accordance with the provisions of this Agreement;
- (ii) construction at the Project Site is abandoned for a more than 90 (ninety) Days during the Construction Phase;
- (iii) a delay of more than 180 (one hundred and eighty) Days from any Milestone Date in achieving any of the performance obligations set forth for the relevant Milestone Date or the Date of Commercial Operations is delayed for more than 180 (one hundred and eighty) Days from the Scheduled Project Completion Date;
- (iv) Delay in payment of Royalty for 2 (two) consecutive Months or more than (5) (five) times in the aggregate during the Concession Period;
- (v) the Concessionaire's failure to perform or discharge any of its obligations under any other Project Contract, which has or is likely to affect the Project / the Project Facilities and Services, materially;
- (vi) A default under the Management Contract, which has or is likely to affect the Project/the Project Facilities and Services, materially;

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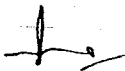
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- (vii) the Concessionaire fails to achieve Minimum Guaranteed Cargo for a consecutive period of 3 (three) years. Provided, the Concessionaire shall not be deemed to be in default if such non achievement is due to a substantial change in economic policies including the policy regarding import/export of a particular commodity as a result of which the throughput could not be achieved;
- (viii) any representation made or warranties given by the Concessionaire under this Agreement is found to be false or misleading;
- (ix) the Concessionaire passing a resolution for voluntary winding up;
- (x) appointment of a provisional liquidator, administrator, trustee or receiver of the whole or substantially whole of the undertaking of the Concessionaire by a court of competent jurisdiction in proceedings for winding up or any other legal proceedings;
- (xi) occurrence of default under the Financing Documents pursuant to which the Lenders exercise their rights to substitute the Concessionaire in accordance with the provisions of the Substitution Agreement;
- (xii) levy of an execution or distraint on the Concessionaire's assets which has or is likely to have Material Adverse Effect and / or affect the Project / Project Facilities and Services, materially and such execution or distraint remaining in force for a period exceeding 90 (ninety) Days;
- (xiii) the Performance Guarantee is not maintained in terms of the provisions hereof;
- (xiv) the Concessionaire abandons or expresses its intention to revoke/terminate this Agreement without being entitled to do so as is expressly provided in the Agreement;

- (xv) a change in shareholding such that the beneficial interest of the Applicant/Consortium in the Concessionaire reduces below the limits set in Article 11.2 and/or Management Control of the Concessionaire has occurred in contravention of the provisions of Article 11 hereof;
- (xvi) amalgamation of the Concessionaire with any other company or reconstruction or transfer of the whole or part of the Concessionaire's undertaking other than transfer of assets in the ordinary course of business in contravention with the provisions of Article 11 hereof; and
- (xvii) the Concessionaire engaging or knowingly allowing any of its employees, agents, Contractor or representatives to engage in any activity prohibited under this Agreement and / or by law or which constitutes a breach of the Agreement or breach of or an offence under any law, in the course of any activity undertaken pursuant to this Agreement.

(b) The Concessions Authority Event of Default

- (i) the Concessions Authority's failure to perform or discharge its obligations in accordance with the provisions of this Agreement unless such failure has occurred as a consequence of any Concessionaire Event of Default or a Force Majeure Event.
- (ii) any representation made or warranties given by the Concessions Authority under this Agreement is found to be false or misleading.
- (iii) appointment of a provisional liquidator, administrator or receiver of the whole or part of the Port's Assets in any legal proceedings initiated against the Concessions Authority (unless such proceedings are initiated as a consequence of any Concessionaire Event of Default).



- (iv) levy of an execution or distraint on the Port's Assets in any proceedings against the Concessioneing Authority (unless such proceedings are initiated as a consequence of any Concessionaire Event of Default) which has or is likely to have Material Adverse Effect and such execution or distraint remaining in force for a period exceeding 90 (ninety) Days.

15.2 Parties Rights

- (a) Upon the occurrence of the Concessionaire Event of Default, the Concessioneing Authority shall without prejudice to any other rights and remedies available to it under this Agreement be entitled to terminate this Agreement.
- (b) Upon the occurrence of the Concessioneing Authority Event of Default, the Concessionaire shall without prejudice to any other rights and remedies available to it under this Agreement be entitled to terminate this Agreement.

Provided that before proceeding to terminate this Agreement, the Party entitled to do so shall give due consideration and shall have due regard to the nature of the underlying Event of Default, its implication on the performance of the respective obligations of Parties under this Agreement and the circumstances in which the same has occurred.

15.3 Consultation Notice

Either Party exercising its right under Article 15.2, shall issue to the other Party a notice in writing specifying in reasonable detail the underlying Event of Default(s) and proposing consultation amongst the Parties and the Lenders to consider possible measures of curing or otherwise dealing with the underlying Event of Default ("Consultation Notice").

15.4 Remedial Process

Following the issue of Consultation Notice by either Party, within a period not exceeding 90 (ninety) Days or such extended period as the Parties may agree ("Remedial Period") the Parties shall, in consultation with the Lenders, endeavour to arrive at an agreement as to the manner of rectifying or remedying the underlying Event of Default. Without prejudice to this, if the underlying event is a Concessionaire Event of Default, the Concessioneing Authority shall in consultation with the Lenders endeavour to arrive at an agreement as to one or more of the following measures and / or such other measures as may be considered appropriate by them in the attendant circumstances:

- (a) the change of management or control / ownership of the Concessionaire;
- (b) the replacement of the Concessionaire by a new operator ("Selectee") proposed by the Lenders (in terms of the Substitution Agreement), and the specific terms and conditions of such replacement which shall include :
 - (i) the criteria for selection of the Selectee;
 - (ii) the transfer of rights and obligations of the Concessionaire surviving under this Agreement to the Selectee;
 - (iii) handing over / transfer of the Project Site, the Port's Assets and the Project Facilities and Services to the Selectee;
 - (iv) acceptance by the Selectee of the outstanding obligations of the Concessionaire under the Financing Documents and preserving Lenders' charge on the Concessionaire's assets;
 - (v) acceptance by the Selectee of any amounts due to the Concessioneing Authority from the Concessionaire under this Agreement; and
 - (vi) payment of consideration for the Concessionaire's assets comprised in the Project Facilities and Services and the manner of appropriation thereof.

15.5 Obligations during Remedial Period

During the Remedial Period, the Parties shall continue to perform their respective obligations under this Agreement which can be performed, failing which the Party in breach shall compensate the other Party for any loss or damage occasioned or suffered on account of the underlying failure/breach.

15.6 Revocation of Consultation Notice

If during the Remedial Period the underlying Event of Default is cured or waived or the Parties and the Lenders agree upon any of the measures set out in Article 15.4, the Consultation Notice shall be withdrawn in writing by the Party who has issued the same.

15.7 Termination due to Events of Default

If before the expiry of the Remedial Period, the underlying Event of Default is neither cured nor waived nor the Parties and the Lenders have agreed upon any of the measures in accordance with Article 15.4, the Party who has issued the Consultation Notice shall have the right to terminate this Agreement, in which event, the provisions of Article 16 and 17 shall, to the extent expressly made applicable, apply.

15.8 Concessioning Authority's Rights of Step-in

Upon a Termination Notice being issued due to a Concessionaire Event of Default, the Concessioning Authority may, at its discretion:

- (a) re-enter upon and take possession and control of Project Site / Project Facilities and Services forthwith;
- (b) prohibit the Concessionaire and any Person claiming through or under the Concessionaire from entering upon / dealing with the Project Facilities and Services;

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- (c) step in and succeed upon election by Concessioning Authority without the necessity of any further action by the Concessionaire, to the interests of the Concessionaire under such of the Project Contracts as the Concessioning Authority may in its discretion deem appropriate with effect from the date of communication of such election to the counter party to the relative Project Contracts.

Provided, that in such circumstances, the Concessioning Authority shall assume the obligations of the Concessionaire with respect to the Lenders during such Remedial Period out of the current revenues. Provided further, the Concessionaire acknowledges that any payments made by the Concessioning Authority during the Remedial Period shall be adjusted against compensation payable by the Concessioning Authority to the Concessionaire in terms of the provisions of this Agreement.

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ARTICLE 16

TERMINATION OF THE CONCESSION/AGREEMENT

16.1 Termination Procedure

The Party entitled to terminate this Agreement either on account of a Force Majeure Event or on account of an Event of Default shall do so by issue of a notice in writing ("Termination Notice") to the other Party and simultaneously deliver a copy thereof to the Lenders. The Termination Notice shall be of not less than 90 (ninety) Days and not ordinarily be more than 180 (one hundred and eighty) Days, ("Termination Period") and at the expiry of the Termination Period, this Agreement shall stand terminated without any further notice.

16.2 Obligations during Termination Period

During Termination Period, the Parties shall subject where applicable to the provisions of this Article 16, continue to perform such of their respective obligations under this Agreement which are capable of being performed with the object, as far as possible, of ensuring continued availability of the Project Facilities and Services to the users, failing which the Party in breach shall compensate the other Party for any loss or damage occasioned or suffered on account of the underlying failure / breach.

16.3 Requisition

Except where the Termination Notice is issued prior to Financial Close being achieved by the Concessionaire, when the Concession has not come into effect the Concessionaire has no right hereunder and no compensation is payable by the Concessioneing Authority, upon issue or receipt as the case may be of Termination Notice, either as a consequence of a Force Majeure Event or as a consequence of an Event of Default, or otherwise 6 (six) months prior to the expiry of the Concession Period, the Concessioneing Authority shall by a notice in writing

("Requisition") call upon the Concessionaire to furnish the following information to enable the Concessioneing Authority to estimate the likely compensation payable by the Concessioneing Authority to the Concessionaire and / or to finalise the items of Concessionaire's assets comprised in the Project Facilities and Services to be handed over to/taken over by the Concessioneing Authority.

- (a) except in cases where no Financial Close has been achieved, the particulars of Debt Due supported by Lenders' certificate;
- (b) data or records including test certificates survey reports, inspection reports, statutory certificates issued regarding the operation and maintenance of the Project Facilities and Services;
- (c) specifications regarding the Concessionaire's assets comprised in the Project Facilities and Services; and
- (d) any other information or records regarding Concessionaire, its business, the Project / Project Facilities and Services, assets and liabilities.

The Concessionaire shall within a period of 30 (thirty) Days of receipt of Requisition furnish the particulars called for by the Concessioneing Authority.

16.4 Condition Survey

- (a) The Concessionaire agrees that on the service of a Termination Notice or at least 6 (six) months prior to the expiry of the Concession Period, as the case may be, it shall conduct or cause to be conducted under the Concessioneing Authority's supervision, a condition survey of the Project Facilities and Services including the Project Site and/or the Port's Assets to ascertain the condition thereof, verifying compliance with the Concessionaire's obligations under this Agreement and to prepare an inventory of the assets comprised in the Project Facilities and Services. During this period, the designated key personnel of the Concessioneing

Authority shall be associated with the operations of the Project Facilities and Services (except when the same is impossible due to a Force Majeure Event) in order to facilitate smooth take over of the same by the Concessioneing Authority on the Transfer Date.

- (b) If, as a result of the condition survey, the Concessioneing Authority shall observe / notice that the Project Site and / or the Port's Assets and / or the Project Facilities and Services or any part thereof have/has not been operated and maintained in accordance with the requirements therefor under this Agreement (normal wear and tear excepted) the Concessionaire shall, at its cost and expenses, take all necessary steps to put the same in good working conditions well before the Transfer Date.
- (c) In the event the Concessionaire fails to comply with the provisions of this Agreement, the Concessioneing Authority may itself cause the condition survey and inventory of Port's Assets and the Project Facilities and Services to be conducted. The Concessioneing Authority shall be compensated by the Concessionaire for any costs incurred in conducting such survey and preparation of inventory as also in putting the Project Facilities and Services in good working condition.

16.5 Consequences of Termination

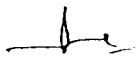
Without prejudice to any other consequences or requirements under this Agreement or under any law:

- (a) the Concessionaire shall transfer all the assets and rights upon expiry of the Concession Period by efflux of time or termination of the Agreement due to a Force Majeure Event or on account of an Event of Default in accordance with Article 18;
- (b) the Concessioneing Authority shall be entitled to encash any subsisting bank guarantee(s) provided by the Concessionaire against any amounts owing to the Concessioneing Authority by the Concessionaire.

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Notwithstanding anything contained in this Agreement, except for ensuring the deposit of the compensation payable to the Concessionaire in accordance with Article 17 in the Escrow Account, the Concessioneing Authority shall not, as a consequence of termination or otherwise, have any obligation whatsoever to any third party including but not limited to obligations as to compensation for loss of employment, continuance or regularization of employment, absorption or re-employment on any ground, in relation to any person in the employment of or engaged by the Concessionaire in connection with the Project, and the handback of the Project Site / Port Assets / Project Facilities & Services by the Concessionaire to the Concessioneing Authority shall be free from any such obligation.



ARTICLE 17

COMPENSATION

17.1 Compensation

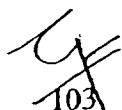
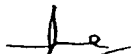
(a) Termination due to Force Majeure Event

- (i) If the termination is due to a Non Political Event, compensation payable to the Concessionaire shall be the lower of the Book Value or the Debt Due LESS any amount due to the Concessioneing Authority by the Concessionaire under this Agreement LESS all insurance claims received or admitted.
- (ii) If the termination is due to a Other Event compensation payable to the Concessionaire shall be the higher of the Book Value or the Debt Due LESS any amount due to the Concessioneing Authority by the Concessionaire under this Agreement LESS all insurance claims received or admitted. Provided, the Book Value or the Debt Due, as the case may be shall not exceed the Actual Project Cost.
- (iii) If termination is due to a Political Event, compensation payable to the Concessionaire shall be the same as that stipulated for termination due to a Concessioneing Authority Event of Default under Article 17.1 (c).

Provided, no compensation shall be payable to the Concessionaire if the Concessionaire fails to maintain Insurance Cover as contemplated under Article 12 of this Agreement.

(b) Termination due to Concessionaire Event of Default

If the termination is after the Date of Commercial Operation, due to a Concessionaire Event of Default, the compensation payable by the Concessioneing Authority to the Concessionaire shall be the lowest of:


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- (i) the Book Value;
- (ii) 90% (ninety percent) of Debt Due;
- (iii) the Actual Project Cost;

Provided, no compensation shall be payable to the Concessionaire if the Concessionaire fails to maintain Insurance Cover as contemplated under Article 12 of this Agreement.

(c) Termination due to Concessioneing Authority Event of Default

If the termination is due to a Concessioneing Authority Event of Default, the compensation payable by the Concessioneing Authority shall be equal to the aggregate of (i) Debt Due plus (ii) 150% (one hundred and fifty percent) Equity.

17.2 No Compensation on Expiry of Concession Period

In the event of expiry of Concession by efflux of time (the Concession having run its full course), the Concessionaire shall hand over / transfer peaceful possession of the Project Site, Port's Assets and the Project Facilities and Services free of cost and Encumbrance.

17.3 Transfer Fee and Charges

Transfer costs, stamp duties, notary fees and taxes, if applicable, for the transfer of the Project Facilities and Services consequent to the expiry or termination of this Agreement shall be borne by:

- (a) the Concessionaire in the event of expiry of Concession Period or termination due to a Concessionaire Event of Default;
- (b) the Concessioneing Authority in the event of termination due to an Concessioneing Authority Event of Default or Political Event; and

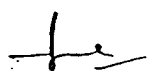
- (c) by both parties equally in case of termination due to Change in Law or Non Political Event or Other Event.

17.4 Payment of Compensation to Lenders

The Concessionaire hereby irrevocably authorises the Concessioneing Authority to pay to the Lenders or at their instruction to any designated bank account in India the compensation payable to the Concessionaire. The Concessionaire confirms that upon such payment being made, the Concessioneing Authority shall stand duly discharged of its obligations regarding payment of compensation under this Agreement and the charge created by the Concessionaire in favour of the Lenders on any of its assets taken over by the Concessioneing Authority shall stand satisfied and all such assets shall on and from the Transfer Date, be free from such charge. The Concessionaire further confirms that payment of compensation by Concessioneing Authority in accordance with this Article 17.4 shall be a valid discharge to the Concessioneing Authority in respect of Concessioneing Authority's obligation regarding payment of compensation to the Concessionaire under this Agreement.

Provided notwithstanding anything inconsistent contained in this Agreement, the Concessionaire / the Lenders as the case may be shall be entitled to remove at its / their cost all such moveables which are not taken over by the Concessioneing Authority and to deal with the same in accordance with their respective rights under law.

Provided further, if there are no amounts outstanding under the Financing Documents and a certificate to that effect issued by the Lenders is furnished by the Concessionaire to the Concessioneing Authority, the compensation shall be paid by the Concessioneing Authority to the Concessionaire directly.


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17.5 Delayed Payment of Compensation

If for any reasons, other than those attributable to the Concessionaire, the Concessioning Authority fails to pay the compensation on the Transfer Date, the Concessioning Authority shall be liable to pay interest@ SBI PLR plus 2% (two percent) per annum thereon from the Transfer Date till payment thereof. Provided, nothing contained in this Article shall be deemed to authorise any delay in payment of compensation in accordance with this Agreement.

17.6 Delayed Transfer of Assets

If for any reasons other than those attributable to the Concessioning Authority the Concessionaire fails to transfer assets, rights and contracts on the Transfer Date in accordance with Article 16.5 read with Article 18, there shall be no suspension of the operation and maintenance of the Project Facilities and Services and the Concessionaire shall, as a trustee of the Concessioning Authority, (a) continue to operate and maintain the Project Facilities and Services or such of them, as directed by Concessioning Authority until completion of the relative transfer formalities and (b) account for and pay to the Concessioning Authority the Gross Revenue minus operating costs and statutory dues, from such operations. In the event of failure to do so, the Concessionaire shall be liable to pay to the Concessioning Authority, for every Day of delay, liquidated damages computed at the rate of the average daily profits earned during the 3 (three) years immediately preceding the Transfer Date. Parties confirm that this is a true and correct estimate of damages and not in the nature of a penalty. Provided nothing contained in this Article 17.6 shall be deemed or construed to authorise delay in completion of formalities of transfer of assets, rights and contracts by the Concessionaire to the Concessioning Authority in accordance with the requirements thereof under this Agreement.

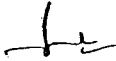
In case the transfer of assets by the Concessionaire to the Concessioning Authority is delayed for reasons attributable to the Concessioning Authority, the Concessionaire shall nonetheless continue to operate the Project Facilities and Services but as agent of the Concessioning Authority. Provided however, the Concessionaire shall be liable to pay Royalty in accordance with Article 9.2.

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17.7 Remedies Cumulative

The exercise of right by either Party to terminate this Agreement, as provided herein, shall not preclude, such Party from availing any other rights or remedies that may be available to it under law. All remedies available to the Parties shall be cumulative and the exercise or failure thereof of one or more remedies by any Party shall not limit or preclude the exercise of or constitute a waiver of any other remedies by such Party.



ARTICLE 18

TRANSFER ON EXPIRY OF THE CONCESSION PERIOD

18.1 General Scope of Transfer/Payment

The Parties shall perform/discharge their respective obligations to be performed or discharged under the provisions of this Agreement on the Transfer Date in entirety. Without prejudice to the generality of this provision and the provisions of Article 16, the transactions to be consummated and the formalities to be completed by the Parties on the Transfer Date shall be as set out in Articles 18.2 and 18.3.

18.2 Concessionaire's Obligations

The Concessionaire shall;

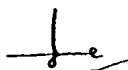
- (a) hand over peaceful possession of the Project Site, Port's Assets, the Project and the Project Facilities and Services free of Encumbrance;
- (b) transfer all its rights, titles and interests in the assets comprised in the Project Facilities and Services which are required to be transferred to the Concessioning Authority in accordance with this Agreement and execute such deeds and documents as may be necessary for the purpose and complete all legal or other formalities required in this regard;
- (c) hand over to the Concessioning Authority all documents including as built drawings, manuals and records relating to operation and maintenance of the Project Facilities and Services;
- (d) transfer technology and up-to-date know-how relating to operation and maintenance of the Port's Assets and/or the Project Facilities and Services;
- (e) transfer or cause to be transferred to the Concessioning Authority any

Project Contracts which are (i) valid and subsisting; (ii) capable of being transferred to the Concessioneing Authority; and (iii) those the Concessioneing Authority has chosen to take over, and cancel or cause to be cancelled such Project Contracts not transferred to the Concessioneing Authority. For this purpose, the Concessionaire shall ensure that all Project Contracts are assignable in favor of the Concessioneing Authority without any further action on part of the respective counterparties. The Concessionaire shall entirely at its cost, terminate all such Project Contracts which are not transferred/assigned and/or are not required to be transferred / assigned to the Concessioneing Authority;

- (f) at its cost, transfer to the Concessioneing Authority all such Applicable Permits which the Concessioneing Authority may require and which can be legally transferred. Provided if the termination is on account of Concessioneing Authority Event of Default the cost of such transfer shall be borne / reimbursed by the Concessioneing Authority;
- (g) at its cost, remove within 90 (ninety) days from expiry of the Concession Period, from the Project Site / Port's Assets, any moveable assets that are not taken over by or not to be transferred to the Concessioneing Authority in terms of the provisions of this Agreement.

18.3 Concessioneing Authority's Obligations

Except in the event of expiry of the Concession by efflux of time, the Concessioneing Authority shall pay compensation payable to the Concessionaire in accordance with Article 17.1 of this Agreement, to the Lenders, or deposit the same in the Escrow Account or on the written instructions of the Lenders to any designated bank account in India, or to the Concessionaire, as the case may be. The Concessionaire confirms that upon such payment being made, the Concessioneing Authority shall stand duly discharged of its obligations regarding payment of compensation under this Agreement and the charge created by the Concessionaire in favour of the Lenders on any of the assets shall stand satisfied and all such assets shall on and from the Transfer Date be free from such charge.



The Concessionaire further confirms that payment of compensation by Concessioning Authority in accordance with this Article 18.3 shall be a valid discharge to the Concessioning Authority in respect of Concessioning Authority's obligation regarding payment of compensation to the Concessionaire under this Agreement.

18.4 Risk

Until transfer in accordance with this Article 18, the Port's Assets and the Project Facilities and Services shall remain at the sole risk of the Concessionaire except for any loss or damage caused to or suffered by the Concessionaire due to any act or omission or negligence on the part of the Concessioning Authority under this Agreement.

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ARTICLE 19

DISPUTE RESOLUTION

19.1 Amicable Settlement

If any dispute or difference or claims of any kind arises between the Concessioneing Authority and the Concessionaire in connection with construction, interpretation or application of any terms and conditions or any matter or thing in any way connected with or in connection with or arising out of this Agreement, or the rights, duties or liabilities of any Party under this Agreement, whether before or after the termination of this Agreement, then the Parties shall meet together promptly, at the request of any Party, in an effort to resolve such dispute, difference or claim by discussion between them.

19.2 Assistance of Expert

The Parties may, in appropriate cases agree to refer the matter to an Expert appointed by them with mutual consent. The cost of obtaining the service of the Expert shall be shared equally.

19.3 Arbitration

(a) Arbitrators

Failing amicable settlement and/or settlement with the assistance of Expert appointed by the Parties by mutual consent, the dispute or differences or claims as the case may be, shall be finally settled by binding arbitration under the Arbitration and Conciliation Act, 1996. Unless the Parties mutually agree otherwise, within 30 (thirty) Days of invocation of the arbitration as mentioned below, the rules of arbitration prescribed by the International Centre for Alternative Dispute Resolution, New Delhi shall apply to the arbitration. The arbitration shall be by a panel of three Arbitrators, one to be appointed by each Party and the third, who shall act as

presiding arbitrator, to be appointed by the two arbitrators appointed by the Parties. The arbitration shall be invoked by one party issuing to the other a notice in writing invoking the arbitration and appointing an Arbitrator. Upon receipt of the notice, the other Party shall appoint the second Arbitrator. The two Arbitrators so appointed shall appoint the third Arbitrator who shall act as the 'Presiding Arbitrator'. If the other Party fails to appoint a second Arbitrator within 30 (thirty) Days from the receipt of the request to do so, then the Arbitrator so appointed by the first party shall adjudicate the disputes as 'Sole Arbitrator'.

(b) Place of Arbitration

The place of arbitration shall be the headquarters of the Concessioneing Authority in India.

(c) English Language

The request for arbitration, the answer to the request, the terms of reference, any written submissions, any orders and rulings shall be in English and, if oral hearings take place, English shall be the language to be used in the hearings.

(d) Procedure

The procedure to be followed within the arbitration, including appointment of arbitrator / arbitral tribunal, the rules of evidence which are to apply shall be in accordance with the Arbitration and Conciliation Act, 1996.

(e) Enforcement of Award

Any decision or award resulting from arbitration shall be final and binding upon the Parties. The Parties hereto agree that the arbitral award may be enforced against the Parties to the arbitration proceeding or their assets wherever they may be found and that a judgment upon the arbitral award may be entered in any court having jurisdiction thereof.

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(f) Fees and Expenses

The fees and expenses of the arbitrators and all other expenses of the arbitration shall be initially borne and paid equally by respective Parties subject to determination by the arbitrators. The arbitrators may provide in the arbitral award for the reimbursement to the successful party of its costs and expenses in bringing or defending the arbitration claim, including legal fees and expenses incurred by the Party.

(g) Performance during Arbitration

Pending the submission of and / or decision on a dispute, difference or claim or until the arbitral award is published, the Parties shall continue to perform all of their obligations under this Agreement without prejudice to a final adjustment in accordance with such award.



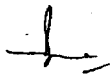
ARTICLE 20

REPRESENTATIONS AND WARRANTIES

20.1 Representations and Warranties of the Concessionaire

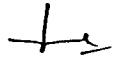
The Concessionaire represents and warrants to the Concessioneing Authority that:

- (a) it is duly organized validly existing and in good standing under the laws of India and hereby expressly and irrevocably waives any immunity in any jurisdiction in respect of this Agreement or matters arising there under including any obligation, liability or responsibility hereunder;
- (b) it has full power and authority to execute, deliver and perform its obligations under this Agreement;
- (c) it has taken all necessary action to authorise the execution, delivery and performance of this Agreement;
- (d) this Agreement constitutes the legal, valid and binding obligation of the Concessionaire, enforceable against it in accordance with the terms hereof;
- (e) there are no actions, suits or proceedings pending or to its best knowledge, threatened against or affecting it before any court, administrative body or arbitral tribunal which might materially and adversely affect its ability to meet or perform any of its obligations under this Agreement;
- (f) it has the financial standing and capacity to undertake the Project in accordance with the terms of this Agreement;
- (g) the execution, delivery and performance of this Agreement will not conflict with, result in the breach of, constitute a default under, or accelerate performance required by any of the terms of its memorandum of



association and articles of association or any Applicable Laws or any covenant, contract, agreement, arrangement, understanding, decree or order to which it is a party or by which it or any of its properties or assets is bound or affected;

- (h) it has no knowledge of any violation or default with respect to any order, writ, injunction or decree of any court or any legally binding order of any Government Authority which may result in any Material Adverse Effect on its ability to perform its obligations under this Agreement and no fact or circumstance exists which may give rise to such proceedings that would adversely affect the performance of its obligations under this Agreement;
- (i) it has complied with Applicable Laws in all material respects and has not been subject to any fines, penalties, injunctive relief or any other civil or criminal liabilities which in the aggregate have or may have a Material Adverse Effect on its ability to perform its obligations under this Agreement;
- (j) all its rights and interests in the Project/Project Facilities and Services shall pass to and vest in the Concessioning Authority on the Transfer Date free and clear of all liens, claims and Encumbrances, without any further act or deed on its part or that of the Concessioning Authority, and that none of the Project Assets shall be acquired by it, subject to any agreement under which a security interest or other lien or Encumbrance is retained by any person, save and except as expressly provided in this Agreement;
- (k) no representation or warranty by it contained herein or in any other document furnished by it to the Concessioning Authority including the Bid or to any Government Authority in relation to Applicable Permits contains or will contain any untrue or misleading statement of material fact or omits or will omit to state a material fact necessary to make such representation or warranty not misleading;


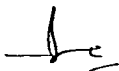


- (l) no sums, in cash or kind, have been paid or will be paid, by it or on its behalf, to any person by way of fees, commission or otherwise for securing the Concession or entering into this Agreement or for influencing or attempting to influence any officer or employee of the Concessioneing Authority in connection therewith;
- (m) agrees that the execution, delivery and performance by it of this Agreement and all other agreements, contracts, documents and writings relating to this Agreement constitute private and commercial acts and not public or governmental acts; and
- (n) consents generally in respect of the enforcement of any judgment against it in any proceedings in any jurisdiction to the giving of any relief or the issue of any process in connection with such proceedings.

20.2 Representations and Warranties of the Concessioneing Authority

The Concessioneing Authority represents and warrants to the Concessionaire that:

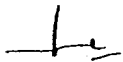
- (a) it is duly organised, validly existing and in good standing under the laws of India;
- (b) it has full power and authority to execute, deliver and perform its obligations under this Agreement;
- (c) it has taken all necessary action to authorise the execution, delivery and performance of this Agreement;
- (d) this Agreement constitutes the legal, valid and binding obligation of the Concessioneing Authority, enforceable against it in accordance with the terms hereof; and
- (e) there are no actions, suits or proceedings pending or to its best knowledge,


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threatened against or affecting it before any court, administrative body or arbitral tribunal which might materially and adversely affect its ability to meet or perform any of its obligations under this Agreement.

20.3 Disclosure

In the event that any occurrence or circumstance comes to the attention of either Party that renders any of its aforesaid representations or warranties untrue or incorrect, such Party shall immediately notify the other Party of the same. Such notification shall not have the effect of remedying any breach of the representation or warranty that has been found to be untrue or incorrect nor shall it adversely affect or waive any obligation of either Party under this Agreement.




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ARTICLE 21

MISCELLANEOUS PROVISIONS

21.1 Datum

The datum to which all levels shall be referred for the purpose of the Project is the Chart Datum (0.000) which is 0.80 m below mean sea level or such levels as notified by the Concessioneing Authority from time to time.

21.2 Survival of Obligations

Any cause of action which may have occurred in favour of either Party or any right which is vested in either Party under any of the provisions of this Agreement during the Concession Period as the case may be as a result of any act, omission, deed, matter or thing done or omitted to be done by either Party before the expiry of the Concession Period by efflux of time or otherwise in accordance with the provisions of this Agreement shall survive the expiry of the Concession Period / termination of this Agreement.

21.3 Articles to survive Termination

The provisions of Articles 16 to 21 shall, to the fullest extent necessary to give effect thereto, survive the Concession Period / the termination of this Agreement and the obligations of Parties to be performed / discharged following the termination / early determination of this Agreement shall accordingly be performed / discharged by the Parties.

21.4 Joint Responsibility

In the event that any damage is caused partly due to the negligence or default or omission on the part of the Concessioneing Authority and partly due to the negligence or default or omission on the part of the Concessionaire, each Party

shall be liable to the other Party only in the proportion to its respective degree of negligence or default or omission, as the case may be.

21.5 Several Obligations

Nothing contained in this Agreement shall be construed to create an association, trust, partnership, agency or joint venture among the Parties and Parties shall be liable to perform their respective duties and discharge their respective liabilities or obligations in accordance with the provisions of this Agreement.

21.6 Severability

If for any reason whatsoever any provision or any part(s) of this Agreement is held or shall be declared to be void or illegal or invalid under present or future laws or regulations effective and applicable during the Concession Period, by any competent arbitral tribunal or court, and if such provisions shall be fully separable and this Concession shall be constructed as if such provision or such part(s) of this Agreement never comprised part of this Agreement and the remaining provisions of this Agreement shall remain in full force and effect and shall not be affected by such void or illegal or invalid provision or by its severance from this Agreement.

21.7 Notices

Unless otherwise stated, notices to be given under this Agreement including but not limited to a notice of waiver of any term or related or breach of any term of this Agreement shall be in writing and shall be given by hand delivery, recognized international courier, mail, telex or facsimile transmission and delivered or transmitted to the Parties at their respective addresses set forth below:

The Concessioneing Authority:

CHAIRMAN

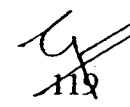
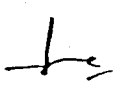
VISAKHAPATNAM PORT

VISAKHAPATNAM

ANDHRA PRADESH

Fax No: 0891-2565023 & 2563202

Email: chairman@vizagport.com



The Concessionaire:

The DIRECTOR

VIZAG GENERAL CARGO BERTH PRIVATE LIMITED

SIPCOT INDUSTRIAL COMPLEX,

MADURAI BYPASS ROAD,


Fax No. 91461 2340203

Email: M.Siddiqi@vedanta.co.in

or such other address, telex number, or facsimile number as may be duly notified by the respective Parties from time to time, and shall be deemed to have been made or delivered (i) in the case of any communication made by letter, when delivered by hand, by recognized international courier or by mail (registered, return receipt requested) at that address and (ii) in the case of any communication made by telex or facsimile, when transmitted properly addressed to such telex number or facsimile number.

21.8 Waiver

No waiver of any term or condition or of the breach thereof by any Party shall be valid unless expressed in writing and signed by such Party and communicated by such Party to the other Party in accordance with the provisions of Article 21.7 of this Agreement. A waiver by any Party of any term or condition or breach thereof in a given case shall not be deemed or construed as a general waiver of such term or condition or the breach in the future or waiver of any other terms or conditions or breach of this Agreement.


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21.9 Amendments, Modifications or Alterations.

No amendments, modifications or alterations of or any additions to the terms and conditions of this Agreement shall be valid unless the same be in writing and agreed to by the Parties.

21.10 Governing Law

This Agreement shall be governed by and construed in accordance with the laws of the Republic of India and courts having territorial jurisdiction over the Project shall have jurisdiction over all matters relating to or arising out of this Agreement.

21.11 Entire Agreement

This Agreement and the Appendices together constitute a complete and exclusive statement of the terms of the agreement between the Parties. All prior written or oral understandings, offers or other communications of every kind pertaining to this Agreement unless specifically retained in this Agreement and the Appendices, by reference or otherwise, are abrogated and withdrawn.

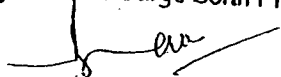
IN WITNESS WHEREOF, the Parties, intending to be legally bound, have caused this Agreement on the dates indicated next to their signatures below:

Common Seal of the Concessioneing Authority is affixed pursuant to its resolution-Agenda Item No.S-6,Meeting No5/2010-11 dated 26.02.2010 of the Board of Trustees of Vishakapatnam Port Trust in the presence of Mr. who has signed this Agreement in token thereof.

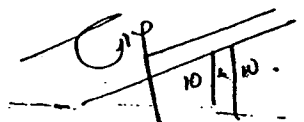
Signed and Delivered by the Concessionaire by the
hand of its authorized representative

Mr. Pratik Agarwal and Mr. Pratap Rane pursuant to the Board Resolution dated May 20, 2010 of its Board of Directors.

For Vizag General Cargo Berth Private Limited



Authorised Signatory



Dy. Chairman /उपाध्यक्ष
विशाखपट्टणम पोर्ट ट्रस्ट
Visakhapatnam Port Trust

APPENDIX 1

PROJECT SITE

1.0 SITE INFORMATION:

1.1 GENERAL:

The Concessionaire should also ascertain and satisfy itself / themselves about the details and the data furnished on meteorological, geological, sub-soil and other conditions. If any error or deficiency in the information supplied surfaces at any time during the currency of the Concession Period, no claim on this account will be entertained by the Concessioneing Authority.

1.2 THE SITE:

The Visakhapatnam Port is located in the city of Visakhapatnam, Visakhapatnam District, State of Andhra Pradesh on the East Cost of India and lies on Latitude 17°- 41'N and Longitude 83°-18' E. The GCB is located in the Outer Harbour west of the Iron ore berths is shown in the layout Drg. No: IPA\VPT\GCB\01. The stack yards and loading lines proposed to be constructed are located on the Eastern Yard in the port area.

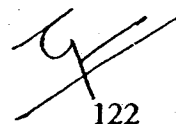

1.3 AVAILABILITY OF LAND:

The Land for establishment of the identified facilities would be provided by the Authority out of Visakhapatnam Port Trust land to the Concessionaire on prevailing license fee terms as applicable from time to time. It is clarified that the costs for diversion of roads, telephone lines, power, water and any other lines, drains etc. passing through the said land have to be diverted shall be borne by the Concessionaire at his own cost.

1.4 METEOROLOGICAL DATA:

WIND:

The predominant direction of wind is south – west and North-east for the most of the time and wind speed does not exceed 20 KMPH for 90% of the time. The maximum wind speed recorded is 110 KMPH.


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SEA WATER TEMPERATURE & SALINITY :

The sea water temperature at Visakhapatnam coast varies from a mean of about 25° C in January to 29° C in October. The salinity varies from a monthly mean of about 24.4% in November to a monthly mean of 34% in April.

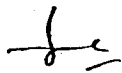
SOIL DATA

A good number of bore holes were conducted through reputed agencies at the time of construction of Outer Harbour. The design of GCB was based on the above soil data. The typical borehole data for GCB area is given in *Drawing no.3* in the TEF. As per the typical bore log, soil strata upto (-) 19.0 m comprise sand thereafter clay and stiff clay with sand and shells upto (-) 32.50 m. Weathered rock is met at this depth followed by hard rock at (-) 33.0 m. Recently, boreholes were taken in the east cargo dump area as well as GCB area and this information will be followed, as may be necessary.

In the event that should the Concessionaire desires to carry out any Soil explorations either prior to or after submission of the bid, permission would be granted by Concessioneing Authority., Such the soil exploration shall be arranged by the Concessionaire at his cost without causing any inconvenience to the works / operations of Visakhapatnam Port Trust / other agencies working in the area. Further, the detailed designs to be undertaken by the Concessionaire shall be based on proper soil exploration conducted at the site before hand and no claim on this account will be tenable. The concessionaire shall carry out the soil investigations along the length of the Quay / obtaining data as per the provisions contained in relevant Bureau of Indian Standards with soil boring at 50 mts interval so as to adhere to the design requirement.

Littoral drift

Littoral drift of the order 0.56 million m³ from south to north during the South West Monsoon and the order of 0.10 million m³ from north to south during the North East Monsoon, resulting in a net northerly drift of the order of 0.50 million m³ is known to exist annually at Visakhapatnam. A sand trap is incorporated in the layout of the outer Harbour on the lee side of the south breakwater to facilitate collection of the sand drift. During annual maintenance dredging, the sand from the sand trap is dredged and about 0.40 million m³ of sand is annually placed on the shore, north of the outer Harbour to continue the littoral drift.


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However the location of the G.C.B. is not effected by the Littoral drift in as much as same is within the sheltered outer Harbour.

1.5 DATUM

The datum to which all levels shall be referred for the purpose of the works is the Chart Datum, which is 0.80 meters below MSL.

1.6 CLIMATE

The Annual mean value of daily maximum and minimum temperatures are 30.0°C and 24.3°C respectively. The highest temperature is recorded in May and June and the lowest in December and January. The highest recorded temperature was 38°C in May and lowest recorded was 24.3°C in January for the year 2007.

June to November is the wet months of the year. The average annual rainfall is about 973.60 mm, and the average number of rainy days per year is about 50. The annual rainfall for the year 2007 is about 861.20 mm at VPT and the number of rainy days per year is about 65. August, September and October are the wettest months of the year 2007.

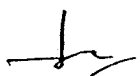
The annual mean value of daily relative humidity recorded varies from 72% to 76% . The highest recorded value is 81% and lowest recorded value is 64%.

1.7 WAVES

The deep sea wave conditions are in agreement with the wind directions in this area. The predominant direction of waves during the period April – September is South – West whereas during the period November – February the predominant direction is North-east. The months of March and October are transition periods with no definite predominant direction for the wave approach. Waves of over 1.5 M in height may be expected out side the outer harbour for approximately 22% of the time and wave periods of over 7 seconds may be expected approximately 14% of the time.

1.8 TIDES:

The Table gives the tide levels with reference to the Indian Naval Hydrographic Chart Datum.


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T A B L E
TIDE LEVELS

Highest High Water recorded (Nov. 2007)	:	+ 2.06 M
Mean High water level Spring (MHWS)	:	+ 2.06 M
Mean High Water level Neap (MHWN)	:	+ 1.50 M
Mean Sea Level (MSL)	:	+ 0.80 M
Mean Low Water level Neap (MLWN)	:	+ 0.50 M
Mean Low Water level Spring (MLWS)	:	(-) 0.16 M
Chart Datum	:	+ 0.00 M
Lowest Low Water recorded (March 2007)	:	(-) 0.39 M

Note: During the "Tsunami" occurred in December 2004 the max and min. levels of sea water varied between a max. of +3.00m and a min. of (-)1.00m

1.9 CURRENTS:

Currents in the Bay of Bengal are seasonal and are mainly due to South-West and North-East monsoons. From February to June, offshore currents flow toward the North-East and from August to December towards South-west at velocities ranging from 0.5 to 1.0 Knots in the Outer Harbour.

1.10 VISIBILITY:


Visibility is good throughout the year as fog is in-frequent at sea in all seasons. Reduction in visibility is mostly due to heavy rainfall during the South-West monsoon. The highest monthly average duration recorded fog is 0.1 Day in some Months from December to May.

1.11 CYCLONES :

The average number of cyclones occurring at Visakhapatnam is 4 to 5 per year. Cyclone Storms and depressions occur with great frequency in August, October and November.

2.0 EXISTING BERTHS:

The schematic details of the existing berths and approaches are shown in Drg. No. IPA\VPT\GCB\01 as enclosed in TEFR. The Inner Harbour has 18 nos. of berths and Outer Harbour has 6 nos. of berths. There are proposals to construct additional berths in the Inner Harbour and Outer Harbour.



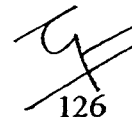
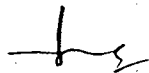
APPENDIX 2
PORT'S ASSETS

1. The existing G.C.B. in "as is where is" condition with the existing draft along side the berth comprising of the following salient features:

- The berth length available is 356m with a width of 22.2m.
- The substructure formed with RCC pile sub-structure comprising 4 rows of 1.22 m dia RCC bored piles at 6.0m c/c per bent placed at 7.38m apart and 8 such pile bents provided for each of the platform with expansion joints provided between adjacent platforms and additional front row of the piles at 3.69m c/c.
- The superstructure comprising of RCC main beams in the lateral direction on each pile bent and secondary beams spanning over the main beams longitudinally supporting the RCC slab and a service trench behind the berth.
- The berth is provided with necessary marine fixtures viz., fenders, bollards, ladders, and mooring rings.
- Wharf crane track of 5.79m gauge
- Gantry Track of 18.5 m gauge
- Railway tracks laid in the stacking area of GCB project in the East Yard.

2. A water front of 356m and the required area of land in the Eastern Yard for the development of the stack yards including handling facilities, conveyor corridor and office & operational buildings is about 1,29,930 Sq.m. is proposed to be provided. The land proposed to be leased is shown in the Drg. No. IPA / VPT / GCB / 08 and Drg. No. IPA / VPT / GCB / 08A in TEFRR.

Note: i) There may be marginal adjustments in the area proposed to be provided to the Concessionaire depending on the actual site conditions.
ii) The payment of upfront fee & License Fee for the above assets to be made by the Concessionaire to the Concessioning Authority are indicated in relevant Articles / Appendices of this Concession Agreement.


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APPENDIX 3

SUBSTITUTION AGREEMENT

THIS SUBSTITUTION AGREEMENT is entered into on this the --- day of
----- at -----AMONGST,

THE VISAKHAPATNAM PORT TRUST, a body corporate constituted under the provisions of the Major Port Trusts Act, 1963 and having its Administrative Office at VISAKHAPATNAM – 530 035, ANDHRA PRADESH, INDIA (hereinafter referred to as “the Concessioneing Authority”) which expression shall, unless repugnant to the context or meaning thereof include its administrators, successors or assigns.

AND

M/s. VIZAG GENNERAL CARGO BERTH PRIVATE LIMITED, a company incorporated under the provisions of the Companies Act, 1956 and having its Registered Office at SIPCOT INDUSTRIAL COMPLEX, Madurai Bypass Road, T.V. Puram P.O, Tuticorin – 628 002 hereinafter referred to as “the Concessionaire” (which expression shall unless repugnant to the context or meaning thereof include its successors and assigns),

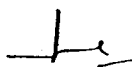
AND

YYYY (Financial Institution / Bank) having its Registered Office / Head Office at -----
----- hereinafter referred to as “the Lender”. OR

ZZZZ (Financial Institution/Bank) having its Registered Office / Head Office at-----
----- acting for and on behalf of the Lenders listed in Schedule A hereto (hereinafter referred as “the Lender’s Representative”).

WHEREAS,

- a) The Concessioneing Authority for implementing a Project envisaging planning, designing, engineering, installation, finance, operation & maintenance of Mechanical Facilities for handling coking coal and steam coal at GCB in outer harbour of Visakhapatnam port by private sector participation (hereinafter referred to as “the Project”), has by the Concession Agreement dated May20,2010 entered into between the Concessioneing Authority and the Concessionaire (hereinafter referred to as “the Concession Agreement”) has granted to the Concessionaire the




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Concession to implement the Project in terms of the provisions set out thereunder;

- b) With a view to facilitate financing of the Project by the Concessionaire, the Concessioneing Authority and the Concessionaire have agreed to enter into Substitution Agreement being these presents with the Lender / s / Lenders' Representative.

NOW, THEREFORE, THIS AGREEMENT WITNESSETH AS FOLLOWS:

ARTICLE 1

DEFINITIONS AND INTERPRETATION

1.1 Definitions

In this Agreement the following words and expressions shall, unless repugnant to the context or meaning thereof, have the meaning hereafter respectively assigned to them.

"Agreement" means this agreement and includes any amendment or modification made to this agreement in accordance with the provisions hereof.

"Financial Assistance" means the financial assistance set forth in Schedule A hereto, agreed to be provided by the Lender(s) to the Concessionaire for financing the Project.

"Financial Default" means occurrence of a material breach of the terms and conditions of the Financing Documents or a continuous default in servicing debt thereunder by the Concessionaire for a minimum period of 3 (three) months.

"Lender(s)" means the financial institutions / banks whose name(s) and addresses are set out in Schedule A hereto and shall include the financial institutions / banks who may replace the same by way of a refinance / subrogation, as may be notified by

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the Lenders' Representative to the Concessionaire, from time to time.

"Residual Concession Period" means the period which shall be the remainder of the Concession Period computed from the date of issuance of Termination Notice in terms of Article 16.1 of the Concession Agreement.

"Selectee" means a Person proposed by the Lender / Lender's Representative pursuant to this Agreement and approved by the Concessioneing Authority for substituting the Concessionaire for the residual Concession Period, in accordance with the provisions of this Agreement.

"Suspension Period" means the Termination Period as defined in Article 16 of the Concession Agreement at the end of which all formalities connected with substitution of the Concessionaire by the Selectee including handing over of Project Site/Project Facilities and Services, in accordance with this Agreement are completed and the substitution has become effective.

- 1.2 Capitalized terms used in this Agreement but not defined shall have the meaning assigned to them respectively in the Concession Agreement.

ARTICLE 2

ASSIGNMENT

2.1 Assignment of rights and title

The Concessionaire hereby agrees to assign its rights, title and interest in the Concession to, and in favour of, the Lenders pursuant to and in accordance with the provisions of this Agreement and the Concession Agreement by way of security in respect of financing by the Lenders under the Financing Documents.

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ARTICLE 3

SUBSTITUTION OF THE CONCESSIONAIRE

3.1 Rights of substitution

- 3.1.1 Pursuant to the rights, title and interest assigned under Clause 2.1, the Lenders shall be entitled to substitute the Concessionaire by a Selectee under and in accordance with the provisions of this Agreement and the Concession Agreement.
- 3.1.2 The Concessioneing Authority hereby agrees to substitute the Concessionaire by endorsement on the Concession Agreement in favour of the Selectee selected by the Lenders in accordance with this Agreement (For the avoidance of doubt, the Lenders shall not be entitled to operate and maintain the Project/Project Facilities and Services).

3.2 Substitution upon occurrence of Financial Default

- 3.2.1 Upon occurrence of a Financial Default, the Lenders / Lenders' Representative may issue a notice to the Concessionaire (the "Notice of Financial Default") along with particulars thereof, and send a copy to the Concessioneing Authority for its information and record. A Notice of Financial Default under this Article 3 shall be conclusive evidence of such Financial Default and it shall be final and binding upon the Concessionaire for the purposes of this Agreement.
- 3.2.2 Upon issue of a Notice of Financial Default hereunder, the Lenders / Lenders' Representative may, without prejudice to any of its rights or remedies under this Agreement or the Financing Documents, substitute the Concessionaire by a Selectee in accordance with the provisions of this Agreement.
- 3.2.3 At any time after the Lenders / Lenders' Representative has issued a Notice of Financial Default, it may by notice require the Concessioneing Authority to suspend all the rights of the Concessionaire and undertake the operation and maintenance of the Project / Project Facilities and Services, and upon receipt of such notice, the Concessioneing Authority shall suspend the rights of the

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[Signature]
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Concessionaire. Provided, such suspension shall be revoked upon substitution of the Concessionaire by a Selectee, and in the event such substitution is not completed within 180 (one hundred and eighty) Days from the date of such suspension, the Concessioneing Authority may terminate the Concession Agreement forthwith by issuing a Termination Notice in accordance with the provisions of the Concession Agreement; provided that upon written request from the Lenders / Lenders' Representative and the Concessionaire, the Concessioneing Authority may extend the aforesaid period of 180 (one hundred and eighty) Days by a period not exceeding 90 (ninety) Days.

3.3 Substitution upon occurrence of Concessionaire Default

3.3.1 Upon occurrence of a Concessionaire Default, the Concessioneing Authority shall by a notice inform the Lenders / Lenders' Representative of its intention to issue a Termination Notice and grant 15 (fifteen) Days time to the Lenders / Lenders' Representative to make a representation, stating the intention to substitute the Concessionaire by a Selectee.

3.3.2 In the event that the Lenders / Lenders' Representative makes a representation to the Concessioneing Authority within the period of 15 (fifteen) Days specified in Clause 3.3.1, stating that it intends to substitute the Concessionaire by a Selectee, the Lenders / Lenders' Representative shall be entitled to undertake and complete the substitution of the Concessionaire by a Selectee in accordance with the provisions of this Agreement within a period of 180 (one hundred and eighty) Days from the date of such representation, and the Concessioneing Authority shall either withhold termination and/or suspend the rights of the Concessionaire for the aforesaid period of 180 (one hundred and eighty) Days; provided that upon written request from the Lenders/Lenders' Representative and the Concessionaire, the Concessioneing Authority shall extend the aforesaid period of 180 (one hundred and eighty) Days by a period not exceeding 90 (ninety) Days.

3.4 Procedure for substitution

- 3.4.1 The Concessioneing Authority and the Concessionaire hereby agree that on or after the date of Notice of Financial Default or the date of representation to the Concessioneing Authority under Article 3.3.2, as the case may be, the Lenders / Lenders' Representative may, without prejudice to any of the other rights or remedies of the Lenders, invite, negotiate and procure offers, either by private negotiations or public auction or tenders from potential Selectees for substituting the Concessionaire and taking on the rights and obligations under the Concession Agreement.
- 3.4.2 To be eligible for substitution in place of the Concessionaire, the Selectee shall be required to fulfill the eligibility criteria that were laid down by the Concessioneing Authority for shortlisting the bidders for award of the Concession; provided that the Lenders / Lenders' Representative may represent to the Concessioneing Authority that all or any of such criteria may be waived in the interest of the Project, and if the Concessioneing Authority determines that such waiver shall not have any material adverse effect on the Project, it may waive all or any of such eligibility criteria.
- 3.4.3 Upon selection of a Selectee, the Lenders / Lenders' Representative shall request the Concessioneing Authority to:
- (a) accede to transfer to the Selectee the rights and obligations of the Concessionaire under the Concession Agreement; and
 - (b) novate the Concession Agreement to the Selectee such that the Selectee replaces the Concessionaire and becomes entitled / obligated to all the rights and obligations of the Concessionaire, for the residual Concession Period.
- 3.4.4 If the Concessioneing Authority has any objection to the transfer of Concession in favour of the Selectee in accordance with this Agreement, it shall within 7 (seven) Days from the date of proposal made by the Lenders/Lenders' Representative, give a reasoned order after hearing the Lenders/Lenders' Representative. If no such objection is raised by the

Concessioneing Authority, the Selectee shall be deemed to have been accepted. The Concessioneing Authority thereupon shall novate the Concession Agreement within 7 (seven) Days of its acceptance / deemed acceptance of the Selectee; provided that in the event of such objection by the Concessioneing Authority, the Lenders' Representative may propose another Selectee whereupon the procedure set forth in this Article 3.4 shall be followed for substitution of such Selectee in place of the Concessionaire.

3.5 Selection to be binding

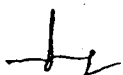
The decision of the Lenders / Lenders' Representative and the Concessioneing Authority in selection of the Nominated Company shall be final and binding on the Concessionaire. The Concessionaire irrevocably agrees and waives any right to challenge the actions of the Lenders' Representative or the Lenders or the Concessioneing Authority taken pursuant to this Agreement including the transfer/novation of the Concession Agreement in favour of the Selectee. The Concessionaire agrees and confirms that it shall not have any right to seek revaluation of assets comprised in the Project or the Concessionaire's shares. It is hereby acknowledged by the Parties that the rights of the Lenders / Lenders' Representative are irrevocable and shall not be contested in any proceedings before any court or Concessioneing Authority and the Concessionaire shall have no right or remedy to prevent, obstruct or restrain the Concessioneing Authority or the Lenders / Lenders' Representative from effecting or causing the transfer by substitution and endorsement of the Concession as requested by the Lenders / Lenders' Representative.

ARTICLE 4

TRANSACTION DOCUMENTS

4.1 Substitution of Selectee in Transaction Documents

The Concessionaire shall ensure and procure that each Transaction Documents contains provisions that entitle the Selectee to step into such Transaction Documents, in its discretion, in place and substitution of the Concessionaire in the event of such Selectee assumption of the liabilities and obligations of the Concessionaire under the Concession Agreement.


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ARTICLE 5

TERMINATION OF CONCESSION AGREEMENT

5.1 Termination upon occurrence of Financial Default

At any time after issue of a Notice of Financial Default, the Lenders / Lenders' Representative may by a notice in writing require the Concessioneing Authority to terminate the Concession Agreement forthwith, and upon receipt of such notice, the Concessioneing Authority shall terminate the Concession in accordance with the Concession Agreement.

5.2 Termination when no Selectee is selected

In the event that no Selectee acceptable to the Concessioneing Authority is selected and recommended by the Lenders / Lenders' Representative within the period of 180 (one hundred and eighty) Days or any extension thereof as set forth in Article 3.3.2, the Concessioneing Authority may terminate the Concession Agreement forthwith in accordance with the provisions thereof.

5.3 Realisation of Debt Due

The Concessioneing Authority and the Concessionaire hereby acknowledge and agree that, without prejudice to their any other right or remedy, the Lenders are entitled to receive from the Concessionaire, without any further reference to or consent of the Concessionaire, the Debt Due upon termination of the Concession Agreement.

ARTICLE 6

DURATION OF THE AGREEMENT

6.1 Duration of the Agreement

6.1.1 This Agreement shall come into force from the date hereof and shall expire at the earliest to occur of the following events:

- (a) Termination of the Agreement; or
- (b) no sum remains to be advanced, or is outstanding to the Lenders, under the Financing Documents.

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ARTICLE 7

INDEMNITY

7.1 General indemnity

7.1.1 The Concessionaire will indemnify, defend and hold the Concessioneing Authority and the Lenders / Lenders' Representative harmless against any and all proceedings, actions and third party claims for any loss, damage, cost and expense of whatever kind and nature arising out of any breach by the Concessionaire of any of its obligations under this Agreement or on account of failure of the Concessionaire to comply with Applicable Laws and Applicable Permits.

7.1.2 The Concessioneing Authority will indemnify, defend and hold the Concessionaire harmless against any and all proceedings, actions and third party claims for any loss, damage, cost and expense arising out of failure of the Concessioneing Authority to fulfill any of its obligations under this Agreement, materially and adversely affecting the performance of the Concessionaire's obligations under the Concession Agreement or this Agreement, other than any loss, damage, cost and expense, arising out of acts done in discharge of its lawful functions by the Concessioneing Authority.

7.1.3 The Lenders / Lenders' Representative will indemnify, defend and hold the Concessionaire harmless against any and all proceedings, actions and third party claims for any loss, damage, cost and expense arising out of failure of the Lenders/Lenders' Representative to fulfill its obligations under this Agreement, materially and adversely affecting the performance of the Concessionaire's obligations under the Concession Agreement, other than any loss, damage, cost and expense, arising out of acts done in discharge of their lawful functions by the Lenders/Lenders' Representative.

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7.2 Notice and contest of claims

In the event that any Party hereto receives a claim from a third party in respect of which it is entitled to the benefit of an indemnity under Article 7.1 or in respect of which it is entitled to reimbursement (the "**Indemnified Party**"), it shall notify the other Party responsible for indemnifying such claim hereunder (the "**Indemnifying Party**") within 15 (fifteen) Days of receipt of the claim and shall not settle or pay the claim without the prior approval of the Indemnifying Party, such approval not to be unreasonably withheld or delayed. In the event that the Indemnifying Party wishes to contest or dispute the claim, it may conduct the proceedings in the name of the Indemnified Party and shall bear all costs involved in contesting the same. The Indemnified Party shall provide all cooperation and assistance in contesting any claim and shall sign all such writings and documents as the Indemnifying Party may reasonably require.

ARTICLE 8

GENERAL

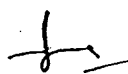
8.1 General

- (i) The Parties hereto expressly represent and warrant that they are duly empowered to sign and execute this Agreement.
- (ii) Notices under this Agreement shall be sent to the Addresses first hereinabove mentioned. Any change in the address of any Party shall be duly notified by registered post acknowledgement due and delivered to the other parties.
- (iii) The expressions "Concessioning Authority", the "Concessionaire", the "Lender" and the "Lenders' Representative", "Selectee" herein used shall unless there be anything repugnant to the subject or context include the respective successors and assigns.
- (iv) This Agreement shall not be affected by reorganisation of any Lender, the



Concessionaire or Concessioneing Authority, "Selectee" and the successor in interest of the Lender or Concessioneing Authority shall have the benefit of this Agreement.

- (v) Failing amicable settlement and / or settlement with the assistance of Expert, the dispute or differences or claims as the case may be, shall be finally settled by binding arbitration under the Arbitration and Conciliation Act, 1996. The arbitration shall be by a panel of three Arbitrators, one each to be appointed by the Concessioneing Authority and the Lenders / Lender's Representative and the third to be appointed by the two arbitrators. If any Party entitled to do so, fails to appoint a second Arbitrator within 30 (thirty) Days of from the receipt of the request for such appointment, then the single Arbitrator appointed in accordance with this provision shall adjudicate the disputes as Sole Arbitrator.
- (vi) This Agreement and rights and obligations of the Parties hereunder shall remain in full force and effect pending the Award in any arbitration proceeding hereunder. The courts having territorial jurisdiction over the Project alone shall have jurisdiction over all matters arising out of or relating to the arbitration agreement contained herein or proceedings arising out of or relating to the arbitration proceedings there under.
- (vii) The consultation, recommendation or approval of the Lenders' Representative under this Agreement shall always be deemed as consultation, recommendation or approval of every concerned Lender and each such Lender shall be bound by the same.
- (viii) This Agreement shall be in addition to and shall not be in derogation of the terms of the Financing Documents.
- (ix) The Concessionaire agrees and acknowledges that it shall not be necessary for the Lender(s) or the Lenders' Representative to enforce or exhaust any other remedy available to them before invoking the provisions of this Agreement.



- (x) No amendment, variation or modification to this Agreement shall be valid and effectual unless made in writing and executed by the duly authorized representatives of all the Parties hereto.
- (xi) All stamp duties or other imposts and charges as are applicable on this Agreement or on amendment of the Concession Agreement or execution of fresh Concession Agreement for the purpose of substitution as aforesaid, irrespective of the Lenders making such payment for the time being, shall be borne by and be to the account of the Concessionaire.
- (xii) The Parties hereby expressly agree that for the purpose of giving full and proper effect to this Agreement, the Concession Agreement and this Agreement shall be read together and construed harmoniously. The terms of this Agreement shall prevail in the event of any inconsistency with the Concession Agreement.

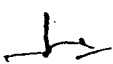
SCHEDULE A

PARTICULARS OF FINANCIAL ASSISTANCE

Name and Address of the Lender	Nature and Amount of Financing Assistance

IN WITNESS WHEREOF THE PARTIES HERETO HAVE SET THEIR HANDS
HEREUNTO ON THE DAY, MONTH AND YEAR HEREINABOVE MENTIONED.

SIGNED AND DELIVERED ON BEHALF OF


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M/s. VIZAG GENERAL CARGO BERTH PRIVATE
LIMITED BY

Title:

Authorised Signatories

SIGNED AND DELIVERED ON BEHALF OF
GOVERNMENT OF INDIA

BY : _____

Name:

Title:

SIGNED AND DELIVERED ON BEHALF OF

----- ON BEHALF OF THE

LENDERS SETFORTH IN SCHEDULE I

BY : _____

Name :

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APPENDIX 4

PROJECT REQUIREMENTS

Project Facilities and Services:

The project requirements are as explained in detail in the TEFR, which is an enclosure to RFP document. However, the Concessionaire on their own shall submit the scheme and design of the Project as per the Clause No.1.1.3 (xiii) of RFP document. brief scope of the project includes planning, designing, engineering, financing, construction, management, operation and maintenance of the project, project facilities and services.

CIVIL AND STRUCTURAL WORKS:

i. Strengthening of the berth to cater to 200,000 DWT vessels:

The existing General Cargo Berth in the Outer Harbour was built with a width of about 22.20 Mtrs. and 356 Mtrs. long with a dredged depth of (-)16.5m CD to cater to 100,000 DWT vessels. Now in order to cater to the vessels of 200,000 DWT vessels, it is necessary to strengthen the berth by widening by 21 Mtrs towards Sea side with additional rows of piles for substructure and with about 2.35 Mtrs thick solid slab for super structure with necessary marine fixtures.

ii. Necessary repairs to the existing berth as per safety audit requirements:

As per the inspections carried out by the Port and through one of the reputed Research Institute viz., SERC, it is required to undertake certain special repairs duly conducting necessary safety audit. Also since the berth is being upgraded to 200,000 DWT vessels and in view of the service life of 25 years already rendered by this berth, it is required to conduct the safety audit to ascertain the strength and condition of the structure to enable integrating the same with the proposed additional width of berth to cater to 200,000 DWT size vessels.

iii. Dredging:

The water depth available at the berth is (-)16.50 Mtr which is adequate to handle 1,00,000 DWT vessels. In order to handle 200,000 DWT vessels with draft of 18.0m, the depth at the berth need to be deepened to (-) 20.00m CD with adequate keel clearance for fully loaded ships.

iv. Track for the marine unloader on the berth:

To facilitate unloading cargoes, three Grab gantries are to be provided on the berth. In order to support and enable movement of these gantries, provision shall be made for CR 100 rail track along the length of the berth.

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v. Foundations for the hopper track:

The cargo shall be discharged from the ship's holds to conveyor installed immediately behind the berth through mobile hoppers which are proposed to move any where along the length of the berth for which necessary rail tracks supported on foundations shall be provided.

vi. Conveyor gallery on the rear side of the berth:

The Grab Gentries provided on the berth shall discharge the coal from the ship's hold to a conveyor installed behind the berth through mobile hoppers which is further connected to overhead transport conveyors. Therefore, provision shall be made for the conveyor to receive the cargo from the ship to the location immediately behind the berth.

vii. Conveyor gallery and supports from berth to the stock pile area:

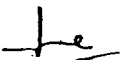
Coal on the unloaded conveyors will be conveyed to the stacks at the East Dumps by a system of overhead conveyors. There shall be a system of four conveyors for each of the unloading conveyors, for the transportation of coal to East Dumps.

viii. Stacker and reclaimer tracks with foundations and conveyors:

Necessary railway tracks with suitable foundations and a suitably designed stacking system shall be provided consisting of receiving conveyors, stacking conveyors for stacking the coal as well as to reclaim and transport with suitable capacities for feeding to the wagon loading system. Necessary foundation with rail tracks with foundations shall be provided for the stacker and reclaimer stacks.

ix. Development of stock pile area including necessary ground improvement:

An area on 1,22,330 Sq. M. has been identified for stacking the coal at the east dumps from where the cargo is further loaded into the rakes through stacking system as indicated above. Ground improvement shall be carried out for the stock pile area, for soil improvement by installation of suitably designed PVC band drains or similar methods at suitable spacing and pattern and pre-consolidation by keeping the pre-load of sufficient height of gravel for designed preload period. Upon soil stabilization the stockpile area shall be provided with hard standing comprising stone soling and filling the gaps with stone spalls. This soil improvement would enable stack heights of the order of 7 Mtrs. as required to cater to the throughput requirement.




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x. Wagon loading platform with suitable foundation and conveyor supports:

The Wagon Loading System consists of Wagon Loading Conveyor and Wagon Loader. The reclaimed coal from the Reclaiming Conveyors shall be fed to the Wagon Loading Conveyor through link conveyors and the reclaimed coal shall be loaded into the wagons by the traveling wagon loader. The Wagon Loading System shall be installed on an elevated platform of sufficient height to ensure free unhindered movement of the trains.

xi. Railway tracks:

Railway tracks shall be provided for supporting various mechanical equipment and the railway train movement and the same shall be proposed on a formation over the natural ground with suitable stone aggregates as base course, PSC sleepers and necessary rail fixtures.

xii. Dust suppression system and dust extraction system :

The entire stock pile area and transfer houses of the conveyor gallery are to be provided with suitable dust suppression system as an environmental mitigative measure to control the dust that may arise during the operations, duly ensuring compliance to the standards as expected by the authorities concerned.

xiii. Green plantation and perimeter walls:

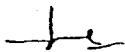
To contain the finer particles in the air due to cargo handling operation and to improve aesthetics in the area, a 10 M. thick green belt is to be provided all around the stacking area which is also an environmental mitigative measure.

xiv. Water supply:

Water supply requirement for operational buildings and utilities shall be drawn from nearby port mains and suitable provisions are to be made for the pipelines etc.

The Concessionaire shall adhere to the following berth construction stages:

- i) Stage-1: Construction will be restricted to a length of 100 metres only, from the North end of GCB.
- ii) Stage-2: Construction would be from South end duly restricting the length to 100 metres.
- iii) Stage-3: The balance work of 156 metres.



Planning, design, engineering, installation, operation and maintenance of all development works shall comply to the relevant Indian Standards and in the absence of Indian standards relevant International Standards shall be complied with. List of construction, operation & maintenance are annexed to this Article. In the absence of both, the Concessionaire bidder should follow good industry practice. Safety precautions, as per statutory requirements, shall also be complied with. The concessionaire shall ensure compliance to Quality, Environmental, Occupational Health and Safety and ISPS Codes. The performance standards shall generally comply as set out in Appendix-15.

Equipment:

The coal is at present unloaded using floating cranes and ship's gear and evacuated using trucks. The Project envisages complete mechanization of the coal handling to achieve an handling rate of 70,000 TPD for 200,000 DWT vessels using Gantry Unloaders with suitable Grabs and transportation through Conveyors of commensurate capacities.

The coal shall be stacked and reclaimed through Stackers and Bucket Wheel Reclaimers of suitable capacities.

The wagon loading shall be by a mechanical wagon loader of suitable capacity.

Other facilities:

The project envisages installation of loading lines, all connected Civil Works, Power Supply systems, Illumination arrangements, Dust Control and environmental protection measures and Fire Fighting equipment.

The Mechanical Handling System for unloading of coking coal and steam coal at GCB in the Outer Harbour will comprise Ship Unloading System, Stackers, Reclaimers, Wagon Loading System and a System of Conveyors. As the general characteristics like bulk densities, angle of repose, etc. of both the commodities are almost same and as there is no significant variation, the same system will be used for handling both the cargo. However, during detailed engineering, the design will be based on significant characteristic of each of the cargo to get the desired output and trouble free operation. For example, the capacities of the components of the System like Conveyors and Equipment will be designed for the lower densities and transfer chutes will be designed for higher lump sizes.

The details of equipments to be installed for the subject project are detailed below:

(A) Unloading System			
1	Ship Unloading	Gantry Type Grab Unloaders Capacity = 40 MT Cycle Time = 60 cycles/hour	3 Nos.
1.a)	Mobile Hoppers	Cap - 50 MT	3 Nos.
2	Unloading Conveyors	Belt Width = 1800 mm Speed = 3.0 mts./Sec. Capacity = 3000 TPH Length = 350 mts.(estimated)	2
3	Overhead Transport Conveyors	Belt Width = 1800 mm Speed = 3 mts/Sec. Capacity = 3000 TPH	2
(B) Stacking System			
1	Stacking Conveyors	Belt Width = 1800 mm Speed = 3.0 mts/Sec. Capacity = 3000 TPH Length = 650 mts.(estimated)	2
2	Stacker	Capacity = 3000 Boom Length = 38 mtrs.	1
(C) Reclaiming System			
1	Reclaiming Conveyors	Belt Width = 1800 mm Speed = 3.5 mts/Sec. Capacity = 3500 TPH Length = 650 mts.(estimated)	2 Nos.
2	Bucket Wheel Reclaimers Stacker-cum-Reclaimers	Capacity = 3500 TPH Boom Length = 40 mtrs.	1 No. 1No.

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(D) Wagon Loading System			
1	Wagon Loading Conveyor	Belt Width = 1800 mm Speed = 3.5 mts/Sec. Capacity = 3500 TPH Length = 650 mts.(estimated)	1
2	Wagon Loaders	Capacity = 3500 Boom Length = 8 mtrs.	1 No.

1.CONVEYOR DRIVES:

The conveyor drives shall be either electro- mechanical or hydraulic drive as per the Concessionaire's design parameter and requirement for the conveyor system and the various drives for the unloading equipments to achieve the performance standards.

1.1. Bearings:

Selection of all Bearings shall be done by the Manufacturer. However, Ball & Roller Bearings should be of Self aligning Ball or spherical Roller types. Self aligning spherical Roller Bearing should be used for Belt Conveyor Pulleys. Plain Bearings should only be used where no other alternatives are possible. Bearing Housing for Boom Conveyor Drive Drum and Bucket Wheel Shaft should be split type, with dust and water sealing arrangement. The Make / Brand of Bearings to be used should be either SKF or FAG.

1.2. Conveyor Idlers:

Idlers shall be supplied in accordance with the requirements of IS : 8598 (latest amendment). Run out (eccentricity) at any point along the shell, shall be as per IS : 8598 (latest amendment) and Guaranteed Dynamic Friction Factor shall not exceed 0.02. Standard Deep Groove Ball Bearings (anti-friction type), which are greased for life and sealed against the ingress of dust and water, The following tests shall have to be carried out

- 1.Dynamic Friction Factor Test.
- 2.Run out (eccentricity) Test.
- 3.Dust Penetration Test.
- 4.Rain Water Penetration Test.

1.3. Pulleys for Belt Conveyor:

Pulleys should generally be in accordance with IS 8531 (latest amendment).. All Pulleys should be constructed of a cylindrical steel shell welded to Cast Steel / Fabricated End Discs, in accordance with IS 8531 (latest amendment). The Shaft to Hub connection for all Pulleys should be through Keys, as required,. The Pulley End Discs and Shell Assemblies should be stress relieved after welding and before machining. Lagging must be of grooved rubber type and should be factory fitted to all Drive Pulleys. All other Pulleys in contact with the carrying side of the belt shall also be rubber lagged. Thickness of Rubber lagging for drive pulleys should be of 20 mm and 10mm for all other pulleys from general-purpose natural rubber with Shore-A hardness 60 ± 5 . All Pulleys should be statically and dynamically balanced.

1.4 BELT TENSIONING:

The allowance for take-up travel shall be 2.5 mtrs. (hydraulic and screw take up). The belt shall be tensioned by means of combination of hydraulic cylinders as well as the mechanical screw take up. The hydraulic cylinder shall be readily accessible for inspection and adjustment.

1.5 BELT WEIGHERS:

A digital electronic scale of proven industrial design shall be supplied and installed on the boom conveyor of Reclaimer. The belt weigher shall be of the multiple-idler type with temperature compensated strain gauge load cells.

1.6 BELT CLEANING:

Belt cleaning devices shall be installed on the carry side of the belt at the discharge pulleys of the boom conveyors. The belt cleaners shall be easily accessible for inspection, adjustment and wearing parts replacement.

1.7 CONVEYOR DISCHARGE AND RECEIVAL CHUTES:

The chutes of the Conveyors and equipments shall be designed to achieve central loading of coal onto the boom conveyors in all positions of slew and luff. The boom conveyor of the Equipments shall discharge into the center of the receiving central

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chute. In both the cases this may be achieved by use of a wear resistant impact deflection plate.

The conveyors should be equipped with the latest state of the art Technology with a the safety devices as follows:

- Troughing Belt Misalignment Detector
- Return Belt Misalignment Detector
- Belt Tear Detector
- Tear & Rip Detector
- Belt Speed Unit
- Misalignment & Tear Detector
- Misalignment, Tear, & Speed Detector
- Doppler Speed Unit
- Infrared Rip Detector
- Ultrasonic Misalignment Unit
- Motion Detector
- Blocked Chute Detector

1.8 Lubrication:

Centralised Auto Lubrication should be provided for all Drive Houses & Equipments.

1.9 Dust suppression system in Equipments:

Adequate Dust suppression system of Fogging type should be provided at all equipments & Transfer points to mitigate dust apart from the stack yards.

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1.10 Adequate Fire safety should be provided for the coal carrying belts of yard conveyors and equipments.

1.11 Conveyor Belts:

Conveyor belts should be of Steel cord type conforming to DIN 22131 standards.

On the Date of Commercial Operations, the berth shall be equipped with equipment with capacity to handle 70,000 TPD for Cape size vessels cargo.

(iii) Others

The personnel and other related facilities should be capable of handling 70,000 TPD cargo in accordance with the Performance Standards set out in Appendix 15.

SECURITY CLAUSE:

The Concessionaire shall at all times during the Concession Period obtain clearance from Concessioneing Authority before employment / deployment of personnel of foreign nationality and sourcing of equipments from foreign countries.

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Annexure

**CONSTRUCTION STANDARDS, OPERATIONS AND MAINTENANCE
STANDARDS AND SAFETY STANDARDS**

A. General

The Concessionaire shall execute the project by completing civil works as per the Project Requirements and provide appropriate equipment for cargo handling and other support facilities for proper and efficient functioning.

The Concessionaire shall carry out Construction Works, etc duly complying with the provisions of all relevant latest Indian Standards and in case certain item of works not covered by the Indian Standards, provisions of ISO / IEC / OISD standards, etc shall be complied.

The construction of civil works, facilities, erection & commissioning of lifting appliances, equipment and machinery and their layout shall ensure that during cargo operations these facilities meet the required provisions of the Dock Workers Safety Health & Welfare Act, 1986 and the relevant Regulations 1990.

The Concessionaire shall meet the requirements of Management Quality System (IS/ISO – 9001: 2000) and shall also obtain accreditation for operations at the terminal. In addition, the Concessionaire shall comply with all relevant statutory regulations, codes, practices and guidelines.

It is not intended to specify herein all the relevant standards required to complete the Project. Such of those standards considered more pertinent are listed in this Annexure.

B. Civil Construction Work

B. 1. Dry Bulk, Break Bulk & Container Terminals

The civil construction work may comprise variety of works such as dredging,

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reclamation, construction of breakwaters, berths, development of back-up area for storage of cargo / containers, approach roads, railways sidings, operational buildings/offices, maintenance workshop, drainage, water supply, environmental protection works and other amenities. The Concessionaire is required to undertake all tests required as per IS / ISO / IEC standards to ensure that the construction work carried out by him meets not only the functional requirements of the project but also conforms to the required quality as per the standards. In addition, the Concessionaire shall also comply with the provisions of specifications published by the Indian Road Congress, RDSO of Ministry of Railways and provisions of Shore Protection Manual (CERC) of US Army Corps of Engineers, as may be pertinent to the Project. In respect of implementing the Project, the Concessionaire shall refer to and as relevant comply with the design and construction standards specified in the following paragraphs.

Indian Standards for Construction of Ports and Harbours

IS 4651 – Part – 1 – 1974	Code of practice for planning and design of ports and harbours: Part 1 Site investigation
IS 4651–Part 2–1989	Code of practice for planning and design of ports and harbours Part 2 Earth pressure
IS 4651-Part III-1974	Code of practice for planning and design of ports and harbours: Part III: Loading
IS 4651- Part 4 -1989	Code of practice for planning and design of ports and harbours: Part 4: General Design consideration.
IS 4651-Part 5-1980:	Code of practice for planning and design of ports and harbours Part:5 Layout and functional requirements
IS7314: 1974	Glossary of terms relating to port and harbour engineering
IS 9527: Part 1: 1981	Code of practice for design and construction of port and harbour structures: Part 1 Concrete monoliths
IS 9527: Part 3:: 1983	Code of practice for design and construction of port and harbour structure: Part 3 Sheet pile walls
IS 9527: Part 4: 1980	Code of practice for design and construction of port and harbour structure: Part-4 Cellular Sheet pile structures

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IS 9527: Part 6: 1989	Code of practice for design and construction of port and harbour structures: Part 6 Block work
IS 10020: Part 4: 1981	Recommendations for design and construction of port and harbour components Part 4 Slipways.
IS 9556: 1980	Code of Practice for design and construction of diaphragm walls

Indian Standards for Foundation Work

IS 2911: Part 1: Sec 1: 1979	Code of practice for design and construction of pile foundations Part 1 Concrete piles, Section 1, Driven cast in-situ concrete piles
IS 2911: Part 1: Sec 2: 1979	Code of practice for design and construction of pile foundations: Part 1 Concrete piles, Section 2 Bored cast in-situ piles
IS 2911: Part 1: Sec 3: 1979	Code of practice for design and construction of pile foundations: Part 1 Concrete piles, Section 3 Driven pre-cast concrete piles
IS 2911: Part 1: Sec 4: 1984	Code of practice for design and construction of pile foundations. Part 1 Concrete piles, Section 4 Bored pre-cast concrete piles
IS 2911: Part 2: 1980	Code of practice for design and construction of pile foundations: Part 2 Timber piles
IS 2911: Part 3: 1980	Code of practice for design and construction of pile foundations: Part 3 Under reamed piles.
IS 2911: Part 4: 1985	Code of practice for design and construction of pile foundations: Part 4 Load test on piles
IS 2950: Part 1: 1981	Code of practice for design and construction of raft foundations – Part I: Design
IS 2974: Part 1: 1982	Code of practice for design and construction of Machine Foundations- Part 1: Foundation for

Reciprocating Type Machines.

- IS 2974: Part 2: 1980 Code of practice for design and construction of machine foundations. Para 2 Foundations for impact type machine (hammer foundations)
- IS 2974: Para 3: 1992 Code of practice for design and construction of machine foundations for rotary type machines (medium and high frequency)
- IS 2974:: 1979: Code of practice for design and construction of machine foundations: Part 4 Foundations for rotary type machines of low frequency.
- IS 2974: Part 5: 1987 Code of practice for design and construction of machine foundations Part 5 Foundations for impact machines other than hammers (forging and stamping press, pig breaker drop crusher and jolter)
- IS 1080: 1985 Code of Practice for design and construction of shallow foundations on soils (other than raft, ring and shell).
- IS 13094: 1992 Guidelines for Selection of ground improvement techniques for foundation in weak soils.

Indian Standards for Structural Design

- IS 875(Part I to V): 1987 Code of Practice for design loads (other than earth quake) for buildings – dead loads, imposed loads, wind loads, snow loads, special loads and load combinations.
- IS 456: 2000 Code of Practice for plain and reinforced concrete.
- IS: 800: 1984 Code of practice for general construction in steel
- IS: 801: 1975 Code of practice for use of cold formed light gauge steel structural members in general building construction.

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IS: 803: 1976	Code of practice for Design fabrication and Erection of vertical mild steel cylindrical welded oil storage tanks.
IS 1893: Part 1: 2002	Criteria for Earthquake Resistant Design of Structures Part I – General Provision and Buildings
IS 1893: Part 4: 2005	Criteria for earth quake resistant design of structures – Part 4- Industrial Structures including Stack-like Structures.
IS 4326: 1993	Code of Practice for Earth Quake Resistant design and construction of buildings.

B-2 Bulk Liquid Terminals and Tank Farms

In addition to complying to the requirement of relevant specifications mentioned above, in respect of port terminals meant for handling bulk liquids such as crude, POL, hazardous chemicals, LPG, LNG, etc., the concessionaire shall also comply with the requirements of IMO Standards, MSIHC Rules 1989, IMDG Codes, OISD Standards & Guidelines, Petroleum Rules and Act, Explosives Act and statutory requirements.

C. Cargo Handling Equipment

C-1 General

The concessionaire in accordance with relevant standards shall provide the type and capacity of equipment required for handling the specified cargo / containers. The equipment shall generally conform to the following standards and code of practices.

C-2 Electric Cranes - Wharf and Gantry Cranes

The crane and its mechanisms shall be designed and constructed in compliance with the latest editions and amendments of the following standards and codes of

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practice. Standards equivalent or higher in BS, JIS, FEM, DIN, ISO, IEC are also acceptable.

Structures and Mechanism

- | | |
|-------------------|---|
| IS 807: 2006 | Design, erection and testing (Structural Portion) of
Cranes and Hoists – Code of Practice. |
| BS 5400 – Part 10 | Steel concrete and composite bridges
- Code of practice for fatigue |
| IS 4137 - 1985 | Specification for heavy duty electric overhead
traveling and special cranes for use in steel works |

Material

- | | |
|---------------|--|
| IS 800: 1984 | Code of Practice for general construction in steel |
| IS 2062: 2006 | Hot rolled low medium and high tensile Structural
Steel |
| IS 2644: 1994 | High tensile steel castings |
| IS 2266: 2002 | Steel Wire Ropes for General Engineering Purposes-
specification |
| IS 3177: 1999 | Code of Practice for Electric Overhead Traveling
Cranes and Gantry Cranes other than Steel Work
Cranes |

Electricals

IEC standards

- IEE – regulations for the electrical equipment of buildings
- BS 4999 / FEM 3rd edition Booklet 4 - Motors
- BS 171, BS 3941, BS 3938 - Transformers
- BS 99 - Fuses

Welding

- | | |
|-----------------------|---|
| IS 7307: Part 1: 1974 | Approval test for welding procedures Part 1 Fusion
welding of steel. |
| IS 7310: Part 1: 1974 | Approval test for Welders working to approved |

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welding procedures – Part 1: Fusion welding of Steel.

Painting

BS 5493

Code of practice for protective coating of iron and steel structures against corrosion

Swedish Standard Sa 2,5 or SIS ST3, SIS 055900 surface preparation

General

IS 13367:Part 1: 1992 Safe use of Cranes - Code of Practice Part 1 General

Classification of Crane

Structures

Class of utilization: U8 (4 Million loading cycles)
State of loading: Q3
Group classification: A8
Impact factor: 1.4
Duty factor: 0.9
Nominal load spectrum: 0.8 of rated capacity factor

Mechanism

	Class of Utilization	State of Loading	Group Classification
Hoist	T8	L3	M8
Traverse	T8	L3	M8
Travel	T5	L2	M5
Boom hoist	T3	L3	M4

The wharf cranes shall be designed for Stability as per BS 2573 Part I & II.

C-3 Mobile Equipment

IS 4357: 2004

Methods for Stability Testing of Fork Lift Trucks

IS 4573: 1982

Specification for Power Driven Mobile Cranes

IS 13473: Part 2:1992 /

Cranes - Vocabulary Part 2 Mobile cranes ISO 4306-1985

IS 13558: Part 2:1995 /	Cranes - Controls - Layout and Characteristics - Part ISO 7752 -2- 1986 Mobile Cranes
IS 13834 : Part 2: 1993 / 2 :1985	Cranes - Classification: Part 2 Mobile cranes ISO 4301 -
IS 13870: Part 2: 1993/	Cranes and Lifting Appliances - Selection of Wire ISO 4308 : 1988 Ropes - Part 2: Mobile Cranes - Coefficient of utilization
IS 14469: 1997/	Mobile Cranes - Determination of Stability ISO 4305 - 1991
IS 14474: Part 1: 1997/	Mobile Cranes - Experimental Determination of Crane ISO 11662-1 :1995 Performance - Part 1 : Tipping Loads and Radii
IS 3173: 1965	Specification for High pressure connections for fuel injection equipment for diesel engines

C-4 Conveyors for Bulk Handling
Conveyors

IS 4776:Part 1: 1977	Specification for Troughed Belt Conveyors - Part I Troughed Belt Conveyors for Surface Installation
IS 8597 - 1977	Flat Belt Conveyors
IS 11592 - 2000	Code of practice for selection and design of Belt Conveyors
IS 7465 - 1974	Portable and Mobile troughed Belt Conveyor
IS 7155:Part 1: 1986	Code of recommended practice for conveyor safety : Part 1 General Information
IS 7155:Part 2: 1986	Code of recommended practice for conveyor safety: Part 2 General Safety requirement
IS 7155:Part 3: 1986	Code of recommended practice for conveyor safety : Part 3 Belt Conveyors and feeders
IS 7155:Part 4: 1990	Code of recommended practice for conveyor safety : Part 4 Vibrating Conveyor/feeder
IS 7155:Part 5: 1990	Code of recommended practice for conveyor safety : Part 5 Apron Conveyor/Apron Feeder

IS 7155:Part 6: 1990

Code of recommended practice for conveyor safety
: Part 6 Selection, Training and Supervision of
Operators

IS 7155:Part 7: 1990

Code of recommended practice for conveyor safety
: Part 7 Inspection and Maintenance

IS 7155:Part 8: 1994

Code of recommended practice for conveyor safety
: Part 8 Flight Conveyors (scraper conveyors)

Idlers and Pulleys

IS 8598 – 1987

Idlers and Idlers Sets

IS 8531 – 1986

Pulleys for Conveyors

IS 11507 – 1985

Synchronous Drive Pulleys

Conveyor Belts

IS 1891(Part I & II)-1978

Rubber Conveyor Belting

IS 1891 – 1988

Amendment to above conveyor

IS 22131 Part I 1980

Steel Cord Conveyor Belting

D. Electrical

IS 325: 1996

Three-phase induction motors

IS 900: 1992

Code of practice for installation and maintenance of
induction motors

IS 1231: 1974

Dimensions of Three-phase Foot-mounted Induction
Motors

IS 2223: 1983

Dimensions of flange mounted ac induction motors

IS 3682: 1966

Flame-proof ac motors for use in mines

IS 3842: Part 2 : 1966

Application guide for electrical relays for ac
systems: -Part 2 Over current relays for generators

	and motors
IS 4029: 1967	Guide for testing three-phase induction motors
IS 8151: 1976	Single-speed three-phase induction motors for driving lifts
IS 8789: 1996	Values of performance characteristics for three-phase induction motors
IS 9628: 1980	Three-phase induction motors with type of protection 'n'
IS 10242: Part 3 : Sec 1:1983	Electrical installations in ships: Part 3 Equipment, Sec 1 Generators and motors
IS 12615: 2004	Energy Efficient Induction Motors - Three Phase Squirrel Cage
IS 13529: 1992	Guide on Effects of Unbalanced Voltages on the Performance of Three-Phase Cage Induction Motors
IS 13555: 1993	Guide for Selection and Application of 3-Phase A. C. Induction Motors for Different Types of Driven Equipment
IS 14122: 1994	Built in thermal protection for electric motors rated up to 660 V ac
IS 14377: 1996	Specification for Three-phase Induction Motors for Fans Used in Air-conditioning and Ventilation
IS 15429: 2004	Storage, Installation and Maintenance of DC Motors - Code of Practice
IS 3043: 1987	Code of practice for earthing
IS 3151: 1982	Earthing transformers
IS 5553(Part 6) 1991	Reactor Parts – Earthing of Transformers
IS 9921: Part 1: 1981	Specification for Alternating Current Disconnections (Isolators) and Earthing Switches for Voltages above 1000 V - Part I: General and Definitions
IS 9921: Part 2: 1982	Alternating current disconnections (isolators) and earthing switches for voltages above 1000 V: Part 2 Rating
IS 9921: Part III : 1982	Specification for Alternating Current Disconnections (Isolators) and Earthing Switches for Voltages above 1000 V - Part III: Design and

	Construction
IS 9921: Part 4: 1985	Specification for Alternating Current Disconnections (isolators) and Earthing Switches for Voltages Above 1000 V - Part 4: Type Tests and Routine Tests
IS 9921: Part 5: 1985	Specification for Alternating Current Disconnections (Isolators) and Earthing Switches for Voltages Above 1000 v - Part 5: Information to be given with Tenders, Enquiries and Orders
IS 12776: 2002	Galvanized Strand for Earthing – Specification
IS 14981: 2001	Live Working - Earthing or Earthing and Short-Circuiting Equipment Using Lances as a Short-Circuiting Device-Lance Earthing
IS 13947: Part 2 : 1993	Specification for Low-voltage Switchgear and Control gear - Part 2 : Circuit Breakers
IS 14658: 1999	High Voltage Alternating Current Circuit Breakers-Guide for Short-circuit and Switching Test Procedures for Metal-enclosed and Dead Tank Circuit Breakers
IS 8828: 1996	Electrical Accessories - Circuit Breakers for Over Current Protection for Household and Similar Installations
IS 2309: 1989	Code of Practice for Protection of allied structure against lightning
IS 732: 1989	Code of Practice for Electric wiring installation
IS 694: 1990	PVC insulated Cables for working voltages upto and including 1100V
IS 1554 (Part 1):1988	PVC insulated (Heavy Duty) electric cables : Part 1 for working voltages upto and including 1100 V
IS 1554 (Part 2) : 1988	PVC insulated (Heavy Duty) electric cables : Part 2 for working volages from 3.3 kV upto and including 11 kV
IS 7098 (Part 1) : 1988	Cross linked Polyethelene insulated PVC sheathed cables Part 1 for working voltages upto and including 1100 V

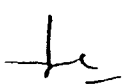
IS 7098 (Part 2) : 1985	Cross linked Polyethelene insulated PVC sheathed cables Part 2 for working voltages from 3.3 kV upto and including 33 kV
IS 7098 (Part 3) : 1988	Cross linked Polyethelene insulated PVC sheathed cables Part 3 for working voltages from 66 kV upto and including 220 kV
IS 10118 (Part 1) : 1982	Code of Practice for selection, installation & maintenance of switchgears and Control gears : Part 1 General
IS 10118 (Part 2) : 1982	Code of Practice for selection, installation & maintenance of switchgears and Control gears: Part 2 Selection
IS 10118 (Part 3) : 1982	Code of Practice for selection, installation & maintenance of switchgears and Control gears: Part 3 Installation
IS 10118 (Part 4) : 1982	Code of Practice for selection, installation & maintenance of switchgears and Control gears: Part 4 Maintenance

For all other equipment not covered in the above standards, equivalent or higher standards in BS, JIS, FEM, DIN, ISO, IEC, are acceptable.

E. Operations & Maintenance Standards: Repairs, Maintenance and Replacement

The Concessionaire at it's own cost promptly and diligently maintain, replace or restore any of the project facilities or part thereof which may be lost, damaged, destroyed or worn out.

The Concessionaire shall abide by the operations and maintenance plan as outlined in the Manufacturer's Manual, which need to be supplied to the concessioning authority by the Concessionaire.




While carrying out the repairing, maintaining and replacing the project facilities, the Concessionaire acknowledges and accepts that it is holding and maintaining the concession or assets, project facilities in trust for eventual transfer to the Concessioning Authority on termination of the agreement and therefore, will not do any act as a result of which the value of Port Assets and Project Facilities and Services is diminished.

The Concessionaire shall, at all times during the Concession Period, at its own risk, cost, charges and expenses, performance and pay for maintenance repairs, renewals and replacement of various type of assets and equipment in the concessionaire premises and /or the project or any parts thereof, whether due to use and operations or due to deterioration of materials and /or parts, so that on the expiry or termination of Concession, the same shall except normal wear and tear be in good working condition as it were at the time of commencement of the Concession.

While carrying out the repair, maintenance and replacement of the project facilities, the Concessionaire shall carry out the work in accordance with the manufacturer's recommendations and the relevant latest Indian Standards or in its absence ISO/OISD Standards. In the event that the concessionaire, by necessity or otherwise need to follow any other country standard and it shall be equal or superior to the standard specified above.

The repairs and maintenance shall generally conform to the following specifications.

E.1 Maintenance Standards

ISO 4308-1-2003

Maintenance of lifting appliances

ISO 4309-2004

Cranes wire rope care, maintenance and discard

IS 13367: Part 1 : 1992

Safe use of cranes – Code of Practice Part 1
General

BS 7121-2-2003

Code of Practice for safe use of cranes,

	inspection, testing & examination
BS 7121-4-1997	Code of Practice for safe use of cranes (Lorry Loaders)
BS 7121-5-2006	Code of Practice for safe use of cranes (Tower Cranes)
E.2 Painting	
IS 144 : 1950	Ready mixed paint, brushing, petrol resisting, air-drying, for interior painting of tanks and container, red oxide (colour unspecified)
IS 145 : 1950	Ready mixed paint, slushing, petrol resisting, air- drying for interior painting of tanks and containers, red oxide (colour unspecified)
IS 146 : 1950	Specification for ready mixed paint, brushing, petrol resisting, stoving, for interior painting of tanks and containers, red oxide (colour unspecified)
IS 147 : 1950	Specification for ready mixed paint, slushing, petrol resisting, stoving, for interior painting of tanks and containers, red oxide (colour unspecified)
IS 164 : 1981	Specification for Ready mixed paint for road marking (first revision)
IS 1419 : 1989	Antifouling paint, brushing for ship's bottom and hulls-Specification (second revision)
IS 6714 : 1989	Ready mixed paint, finishing, non-slip, deck - Specification (first revision)
IS 6948 : 1973	Specification for Ready mixed paint, undercoat, synthetic for ships
IS 6951 : 1973	Specification for Ready mixed paint, finishing, exterior for ships
IS 1477 : Part I : 1971	Code of Practice for Painting of Ferrous Metals in Buildings - Part I : Pretreatment

IS 1477 : Part 2 : 1971

Code of practice for painting of ferrous metals in buildings: Part 2 Painting

IS 9954 : 1981

Pictorial Surface Preparation Standards for Painting of Steel Surfaces

F. Safety Standards

The Concessionaire shall ensure compliance with the safety standards set out under Applicable Law/international conventions, as relevant, from time to time including those required under the following :

1. Dock Workers (Safety, Health and Welfare) Act, 1986 & Regulations framed thereunder of 1990.
2. The Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989.
3. The Petroleum Act, 1934 along with the Petroleum Rules, 2002.
4. OISD – Guidelines – 156 (Oil Industry Safety Directorate): Fire Protection Facilities for Port Oil Terminals.
5. The Explosives Act, 1884 alongwith The Explosive Substance Act, 1983 & The Explosive Rules, 1983
6. Guidelines by Fire Advisor, CCE & DG FASLI, Government of India
7. National Fire Codes (National Fire Protection Association – USA)
8. Drill Manual for the Fire Services of India.
9. International Safety Guide for Oil Tankers & Terminals.
10. ISPS (International Ship & Port Facility Security) Code (2003 Edition)
11. MARPOL CONVENTION
12. International Maritime Dangerous Goods Code
13. Fire protection for conveyors transporting coal with Linear Heat sensing Cables with Nylon sheath & Infra red detection system for black heat energy with air blower conforming to National Electrical Code.
14. Andhra Pradesh Fire Services Act 1999 (Andhra Pradesh Fire Services Act Amendment 2006)
15. National Building Code of India.

SAFETY REQUIREMENTS

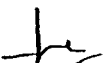
1 Guiding Principles

- 1.1 Safety Requirements aim at reduction in injuries, loss of life and damage to property resulting from accidents, irrespective of the person(s) at fault.
- 1.2 Users include motorised and non-motorised vessels and vehicles as well as pedestrians involved in, or associated with accidents.
- 1.3 Safety Requirements apply to all phases of construction, operation and maintenance with emphasis on identification of factors associated with accidents, consideration of the same, and implementation of appropriate remedial measures.
- 1.4 Safety Requirements include measures associated with traffic management and regulation such as signs, pavement marking, traffic control devices, Port Terminal furniture, design elements, enforcement and emergency response.

2 Obligations of the Concessionaire

The Concessionaire shall abide by the following insofar as they relate to safety of the Users:

- (a) Applicable Laws and Applicable Permits;
- (b) Manual for Safety in Port Design and Operation, issued by DoS/Trust;
- (c) Provisions of this Agreement; and
- (d) Good Industry Practice.



3 Appointment of Safety Consultant

For carrying out safety audit of the Project, the Concessioneing Authority shall appoint from time to time, one or more qualified firms or organisations as its consultants (the "Safety Consultant"). The Safety Consultant shall employ a team comprising, without limitation, one Port safety expert and one navigation expert to undertake safety audit of the Port Terminal.

4 Safety measures during Construction Development period

4.1 Not later than 90 (ninety) days from the date of this Agreement, the Concessioneing Authority shall appoint a Safety Consultant for carrying out safety audit at the design stage of the project. The Safety Consultant shall collect data on all accidents which occurred on the Trust premises in the preceding two years by obtaining copies of the relevant information from the Concessioneing Authority. The information shall be analysed for the type of victims killed or injured, impacting vessels or vehicles, location of accidents and other relevant factors.

4.2 The Concessionaire shall provide to the Safety Consultant, in four copies, the relevant drawings containing the design details that have a bearing on safety of Users (the "Safety Drawings"). Such design details shall include horizontal and vertical alignments; sightlines; Layout of the Project Terminal cross-section; bridges; provision for parked vessels and vehicles, slow moving vehicles (tractors, carts) and pedestrians; and other incidental or consequential information. The Safety Consultant shall review the design details and forward three copies of the Safety Drawings with its recommendations, if any, to the Independent Engineer who shall record its comments, if any, and forward one copy each to the Concessioneing Authority and the Concessionaire.

4.3 The accident data and the design details shall be compiled, analysed and used by the Safety Consultant for evolving a package of recommendations consisting of safety related measures for the Project Terminal. The safety audit shall be completed in a

period of three months and a report thereof (the "Safety Report") shall be submitted to the Concessioneing Authority, in five copies. One copy each of the Safety Report shall be forwarded by the Concessioneing Authority to the Concessionaire and the Independent Engineer forthwith.

4.4 The Concessionaire shall endeavor to incorporate the recommendations of the Safety Report in the design of the Project Terminal, as may reasonably be required in accordance with Applicable Laws, Applicable Permits, Manuals and Guidelines of DoS and Trust., Specifications and Standards, and Good Industry Practice. If the Concessionaire does not agree with any or all of such recommendations, it shall state the reasons thereof and convey them to the Concessioneing Authority forthwith. In the event that any or all of the works and services recommended in Safety Report fall beyond the scope of Schedule, the Concessionaire shall make a report thereon and seek the instructions of the Concessioneing Authority for funding such works in accordance with the provisions of Article 18.

4.5 Without prejudice to the provisions of Paragraph 4.4, the Concessionaire and the Independent Engineer shall, within 15 (fifteen) days of receiving the Safety Report, send their respective comments thereon to the Concessioneing Authority, and not later than 15 (fifteen) days of receiving such comments, the Concessioneing Authority shall review the same along with the Safety Report and by notice direct the Concessionaire to carry out any or all of the recommendations contained therein with such modifications as the Concessioneing Authority may specify; provided that any works or services required to be undertaken hereunder shall be governed by the provisions thereon.

4.6 The Safety consultant, 4 (four) months prior to the expected Project completion date, shall study the Safety Report and inspect the Project to assess the adequacy of safety measures. The Safety Consultant shall complete the safety audit within a period of 4 (four) months and submit a Safety Report recommending a package of additional safety measures, if any, those are considered essential for reducing accident hazards

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on the Project or Terminal. Such recommendations shall be processed, mutatis mutandis, and acted upon in the manner set forth in Paragraphs 4.3, 4.4 and 4.5 of this Schedule.

4.7 The Concessionaire shall make adequate arrangements during the Construction Period for the safety of workers and Users in accordance with Good Industry Practice for safety in construction zones, and notify the Concessioneing Authority and the Independent Engineer about such arrangements.

5 Safety measures during Operation Period

5.1 The Concessionaire shall develop, implement and administer a surveillance and safety programme for Users and workers, including correction of safety violations and deficiencies and all other actions necessary to provide a safe environment in accordance with this Agreement.

5.2 The Concessionaire shall establish a Port Safety Management Unit (the "PSMU") to be functional on and after date of commercial operations (COD), and designate on of its officers to be in-charge of the PSMU). Such officer shall have specialist knowledge and training in Port safety by having attended a course conducted by a reputed organization on the subject.

5.3 The Concessionaire shall keep a copy of every FIR recorded by the Police with respect to any accident occurring on the Project Terminal. In addition, the Concessionaire shall also collect data for all cases of accidents not recorded by the Police but where a vessel or vehicle rolled over or had to be towed away. The Concessionaire shall also record the exact location of each accident on a map of the Port Terminal. The aforesaid data shall be submitted to the Concessioneing Authority at the conclusion of every quarter and to the Safety Consultant as and when appointed.


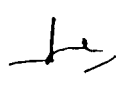
5.4 The Concessionaire shall submit to the Concessioneing Authority before the 31st (thirty first) May of each year, an annual report (in ten copies) containing, without limitation,

a detailed listing and analysis of all accidents of the preceding Accounting Year and the measures taken by the Concessionaire pursuant to the provisions of Paragraph 5.1 of this Schedule for averting or minimizing such accidents in future.

5.5 Once in every Accounting Year, a safety audit shall be carried out by the Safety Consultant to be appointed by the Concessioneing Authority. It shall review and analyse the annual report and accident data of the preceding year, and undertake an inspection of the Project Terminal. The Safety Consultant shall complete the safety audit within a period of 1(one) month and submit a Safety Report recommending specific improvements, if any, required to be made to the Project Terminal. Such recommendations shall be processed, mutates mutandis, and acted upon in the manner set forth in Paragraphs 4.3, 4.4 and 4.5 of this Schedule.

6 Costs and expenses

Costs and expenses incurred in connection with the Safety Requirements set forth herein, including the provisions of Paragraph 2 of this Schedule, shall be met in accordance with provisions thereon, and in particular, the remuneration of the Safety Consultant, safety audit, and costs incidental thereto, shall be shared equally between the Concessioneing Authority and Concessionaire.



2. RECOMMENDED INSPECTION PERIODS, STRUCTURES AND PLAN FOR THE PROJECT:

The following table suggests the periodicity for the recommended routine inspection of the principle items of the Project is as follows of port structures and plant. Where structures or plant may have been affected by an incident, inspection should take place immediately to determine whether the item is fit to return to service. Naturally, the existence of a scheduled periodic technicians and supervisory staff to maintain a continuous watch on the condition of structures and plant and to report any sign of defect as soon as it is observed is necessary.

TYPE OF STRUCTURE OR EQUIPMENT	PERIOD MONTHS	FORM OF INSPECTION
Marine Fixtures viz. Bollards, Fenders, mooring rings, ladders, mooring chains etc	12	Visual
Breakwaters and pitching	12	Visual
Buoys and mooring chains	12	By diver
Generating stations and sub-stations	12	Visual & physical
Masonry and concrete Quay Walls	12	Visual-diver as necessary
Navigation Masts	12	Physical
Warehouses, sheds etc	12	Visual
Gutters, sheeting	6	Visual
Wharves, jetties and Dolphins	12	Visual
Workshops and machinery	12	Visual & physical
Roads and paving	6	Visual
Railways on Wharves and Quays	12	Visual & physical
a) Open Track	1	
Capstans	12	Visual & physical

APPENDIX 5

PROJECT SCHEDULE

Milestone date	Activity / level of completion of project
180 Days from Date of Award of Concession	10% of Project Works should have been completed.
365 Days from Date of Award of Concession	30% of Project Works should have been completed.
730 Days from Date of Award of Concession	100% of Project Works should have been completed

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APPENDIX 6 DESIGNS AND DRAWINGS

Civil:

The Concessionaire shall submit the scheme & Design of strengthening and deepening of GCB to cater to 200,000 DWT vessels on their own as per the clause No.1.1.3 (xiii) of RFP document.

1. General Layout of the proposed upgradation of the berth, Conveyor system and stackyard Developments.
2. Layout of the facilities planned.
3. Cross section of the berth
4. Typical soil parameters considered in the design.
5. Layout of material handling facility proposed by the concessionaire
6. Sectional layout of material handling facility.
7. Detailed designs and drawings of the proposed berth. Sub structures, Super Structures and details of piles, main beams, cross beams, fascia, deck slab etc.,
8. Detailed designs and drawings for proper conveyor system.
9. Detailed designs and drawings for the development of proposed stock yard.
10. Detailed designs and drawings for the proposed crane track, ship unloader, stacker.
11. Detailed designs and drawings for fenders, bollards and other marine fixtures.
12. Any other Project relevant drawings intended by the Concessioneing Authority

Mechanical:

1. CALCULATIONS AND MANUALS:

The bearing life and all other relevant calculations relating to the slew assemblies shall be supplied before testing and commissioning of the machines. Other data such as bearing manufacture number, serial number etc. must be submitted to the Independent Engineer for future reference. Bolt connection calculations for operating and maximum no operating conditions to be submitted. The manufacturer's quality control activities shall include the testing of all roller and/or ball races of the bearing for cracks or imperfections using magnetic particle testing in accordance with AS 1171 or equivalent Indian Standard. The test certificates shall be submitted along with the supply of bearing. In addition the following information are required to be submitted.

- Installation drawings.
- Drawing(s) of bearing seating rings if applicable.
- Illustrated description of installation procedure.

- Number, position and size of jacks required.
- Flatness tolerances of bearing seat prior to installation of bearing.
- Under casting (grouting) procedure and materials if applicable.
- Circularity and flatness tolerance of installed (bolted down) bearing.
- Permissible elastic deformations (in operation).
- Permissible bearing wear including methods and intervals of measurement.
- Grade and tightening methods or torques of bearing holding bolts including tolerances and recommended re-torquing intervals.
- Position of bearing "soft spots" and their required placement relative to stationary and rotating parts of the machine.
- Proposed backlash and alignment tolerances for gearing if applicable.
- Grease types and recommended greasing intervals for the labyrinth seals, bearing and gears as applicable.

2.DRAWINGS & OTHER INFORMATION:

- 2.1. All drawings shall be prepared using the latest version of AutoCAD.
- 2.2. AS BUILT DRAWINGS {in CD ROM (in AutoCAD format) and Reproducible Tracing Format (RTF)} of the components, subassemblies, structures, electricals etc. including, but not limited to the following, to be submitted prior to handing over:
 - i. General Arrangement Drawings, with Principal Details and Leading Dimensions, etc.,
 - ii. Drawings of bought out items.
 - iii. Single line electrical schematic drawings, including Cable Routes, Lighting Equipment details, Electrical Panel Diagram and Earthing Scheme.
 - iv. Outline drawings with principal details and leading dimensions of major electrical equipment.
 - v. Diagram showing wheel loads.
 - vi. Schematic electronic and programmable control details.
 - vii. Schematic arrangement of Luffing Mechanism.
 - viii. Schematic Hydraulic Circuits, wherever applicable.
 - ix. General Arrangements of Machinery House, Electrical Control Room, etc.
 - x. General Arrangement of the Operator's Cabin, clearly indicating the location of various controls and indicators.
 - xi. Detailed Drawings of Luffing Arrangements.

- xii. Detailed Structural drawings.
 - xiii. Detailed Drawings of Bogie arrangement.
 - xiv. Detailed drawings of Machinery Room and Operator's Cabin including Power Equipment arrangement.
- 2.3. Technical details of all bought out items, including, but not limited to the followings, are to be submitted along with Reclaimer, before handing over :
- a) Parts Catalogues.
 - b) Name and Address of the Manufacturer(s).
 - c) Name and Address of the Indian Agent(s) of the Manufacturer(s), wherever applicable.
 - d) Bearing Number(s) & Oil Seal Size(s) for all Gear Reducers and Bearing Number(s) for all Motors.
- 2.4. "AS CONSTRUCTED" Performance Specification, including the followings, are to be submitted along with each, before handing over:
- a) Wheel loads.
 - b) Operating Speeds.
 - c) Commissioning Test Results.
 - d) Statutory Test Certificates.
 - e) Others as per Scope of Work.
- 2.5. Major Technical Details and Make / Brand of the following items, are to be submitted along with each Equipment, before handing over:
- a) Motors.
 - b) Switch Gears.
 - c) Power Electronics, Control System and PLCs.
 - d) Hydraulic Power Packs.
- 2.6. OPERATION & MAINTENANCE MANUAL:
- 2.6.1. The contractor shall have to provide also Operating and Maintenance (O&M) Manual, which will cover the operation, lubrication, maintenance and inspection of the Equipments, including routine and major maintenance of mechanical and electrical components. Routine and major inspection of the structure shall be covered by the structural maintenance manual. Detailed electrical drawing shall have to be included with each O&M Manual. The O&M Manual shall be hard bound and indexed for easy reading. The

Contractor shall furnish 6 sets O&M Manual along with supply of each Equipment.

2.6.2. Following manuals to be provided with Equipments before handing over:

- a) All Technical and Operating Instruction Manuals for the Equipments and components.
- b) Manuals for Setting up and Test Procedures.
- c) Manuals for Operational Duties and restrictions.
- d) Manuals for Maintenance for enabling the technicians to undertake all necessary repairs, disassembly, re-assembly, fault finding procedures and any other maintenance or repair procedures, required to be undertaken.

2.7. DESIGN APPRAISAL AND APPROVAL OF QUALITY ASSUARANCE PLAN:

The design of the equipments are to be appraised to the Independent Engineer, to be appointed. The successful BOT Operator will submit the Quality Assurance Plan (based on Technical Specification & Scope of Work) to the "Independent Engineer" for approval, duly recommended by the 3rd Party Inspection Agency. After approval of the Quality Assurance Plan (QAP) by the "Engineer", inspection will be carried out by the 3rd Party Inspection Agency, based on the approved QAP, Technical Parameters & Scope of Work.

Note: 1) All dimensional drawings 6 sets should be supplied at the time of handing over the machine

S.No.	Description	Quantity
1.	Dimensional drawings	6 sets
2.	Spare parts catalogue	6 sets
3.	Operation manual	6 sets
4.	Maintenance manual	6 sets
5.	Electrical circuit diagram	6 sets

DESIGN OF BERTH STRUCTURE:

The berth design shall be based on the detailed survey and investigation data collected by the Concessionaire. The drawings prepared on the basis of these designs along with the drawings required shall form part of the Concession Agreement.

All the designs and drawings shall be submitted to the Independent Engineer for review and

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comments. The work shall be carried out in accordance with these drawings and such other additional drawings prepared or modified as per comments of the Independent Engineer.

Berth design :

The Concessionaire unless otherwise specified may adopt any type of structure for the berth construction.

Design Criteria :

The loading standards for the berth (GCB) will have to conform to the Bureau of Indian Standards in the absence of which other relevant standards may be followed.

The following data is to be used in designing the berthing structure.

A) Vertical live load :

- i) Electrical wharf crane with 10.00 Mtrs. gauge with 5% impact factor. (Detailed sketches showing loading of the crane wheels are enclosed) (Annexure-A), the design should also cater for an increase in the loading up to 50% over those given in the sketches.
- ii) B.G. Railway main line loading with impact factor anywhere on wharf (As per Railway Standard).
- iii) Loaded crawler crane (contact area of each track about 0.90 m X 4.6 m) dead weight of the crane being 99 T. and lifting capacity 100 tonnes at lifting radius 4.50m. I.R.C. 70 R tracked or wheeled vehicles loading (IRC 6)
- iv) Uniformly distributed load of 5 tonnes per Sq. Mtrs. on the wharf and on fill behind (IS 4651 Pt.III).
- v) The deck elements shall also be designed for localized concentrated loads. For this purpose a concentrated load of 20 tons with line contract of 1.00 M. is to be considered on a width of 0.20 M.

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B) LATERAL LOAD :

i) Earth pressures :

Due to soil in contact with the structures including the effect of surcharge loading of 5 t/sq.m. behind the berth. For computation of earth pressure, the soil parameters as per the design soil profile given earlier shall only be followed.

ii) Berthing impact.

A horizontal reaction forces of 240 tonnes on any fender unit. For locations other than at fenders units, the fascia wall and the structure behind shall be designed to withstand a horizontal impact force of 30 tonnes as a point load.

iii) Bollard pull:

90 tonnes on each of the bollards to act simultaneously on all the bollards of every unit of berth from joint to joint.

iv) Braking forces of $1/40^{\text{th}}$ vertical live load.

v) Seismic and wind force as per relevant IS code.

vi) The effect of temperature on shrinkage forces.

vii) Design dredge depth (-) 20.00m.

viii) Permissible Stresses, partial safety factors for loads.

1) SUB-STRUCTURE

a) Limit state method of design is to be adopted and partial safety factors on materials and loads are as follows :

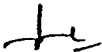
i) Partial safety factors for materials strength of concrete : 1.50

ii) Allowable stress in steel :

Under factored load condition – 250 N/mm^2

Under working load condition – 165 N/mm^2

iii) Load factors : DL LL and Earth pressure (E.P) - 1.50



- b) No increase in the permissible stress is allowed under the load combination of $1.5 (DL + LL + EP)$
- c) Surface crack width is limited to 0.004 times the clear cover to the main reinforcement.
- d) M30 grade of concrete and FE 415 grade of steel are to be used.

2. SUPERSTRUCTURE:

- a) Limit state method of design is adopted and partial safety factors on materials and loads are as follows:

- i) Partial safety factor for material strength of concrete : 1.5
- ii) Allowable stress in steel:
 - Under factored load condition – 250 N/mm^2
 - Under working load condition – 165 N/mm^2
- iii) Load factors.
 - a) DL LL and earth pressure – 1.50
 - b) 15% increase in the allowed stress in steel is allowed while designing the dock system for load combination of $1.5 (DL + LL + EP)$.
 - c) Surface crack width is limited to 0.004 times to clear cover to the main reinforcement.
 - d) M30 grade of concrete and Fe 415 grade of steel are to be used.
 - e) Minimum reinforcement in piles shall be 0.8% of the cross sectional area for any type of pile.
 - f) No alternative system with anchors (dead man etc., extending beyond the rear face of the berth will be considered).
 - g) Required Holes of pressure relief in the dock shall be provided.
 - h) Expansion joints in the structure shall be provided as required.

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Design of structures;

General:

- i) The complete structure shall be designed to be safe against collapse and to maintain at all times and acceptable serviceability level. These shall also be designed to be durable to withstand the deteriorating effects of climate and environment.
- ii) Suitable arrangement shall be planned, designed, constructed by the Concessionaire and the details shall be submitted to the Independent Engineer for review and comments. It is further agreed that any failure or omission of the Independent Engineer to review and/ or comment hereunder shall not be construed or deemed as acceptance of any such agreement or document by the Authority. No review and/or observation of the Independent Engineer and/or its failure to review and/or convey its observations on any document/drawing shall relieve the Concessionaire of its obligations and liabilities under this Agreement in any manner nor shall the Authority be liable for the same in any manner whatsoever.
- iii) The Concessionaire is encouraged to adopt innovative / latest techniques in design, construction and use of new materials. However, in all such cases Concessionaire shall submit all the relevant details along with guidelines and proprietary literature proposed to be followed to Independent Engineer for review and comments. It is further agreed that any failure or omission of the Independent Engineer to review and/ or comment hereunder shall not be construed or deemed as acceptance of any such agreement or document by the Authority. No review and/or observation of the Independent Engineer and/or its failure to review and/or convey its observations on any document/drawing shall relieve the Concessionaire of its obligations and liabilities under this Agreement in any manner nor shall the Authority be liable for the same in any manner whatsoever.



Type of Structure:

- i) The Concessionaire may choose any type of structure and structural system. Design and layout of structures shall be suitable for the soil / site conditions.
- ii) The berth super structure, sub-structure and foundation may be of plain or reinforced concrete, pre-stressed concrete or steel concrete composite construction.
- iii) The following type of structures shall not be accepted:
 - a) Steel sheet pile wall type of construction.
 - b) Wooden piled jetty.

Design period:

The structure shall be designed for design life of 50 (Fifty) years.

Width of the berth:

The width of the berth shall be not less than 21.0m

Analysis and design of structures:

All structures and their individual components shall be designed and developed as per the latest relevant Indian Standard Codes depending upon the type of structure / individual component proposed to be provided. The minimum cross sectional dimensions of each component shall be provided so as to satisfy the requirements specified in the relevant IS codes and the design shall take in to account long term durability, serviceability, constructability, construction methodology and environmental factors. The earth retaining structures shall be designed for lateral earth pressure, surcharge and hydrostatic pressures and other horizontal loads.

Design report and Drawings:

The Concessionaire shall furnish the detailed report including designs and drawings for each component of the Project such as layout plan, berth structures, drainage, fixtures and other user facilities etc., as per the requirements specified to the Independent Engineer for his review and comments if any. It is further agreed that any failure or omission of the Independent Engineer to review and/ or comment hereunder shall not be construed or deemed as acceptance of any such agreement or

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document by the Authority. No review and/or observation of the Independent Engineer and/or its failure to review and/or convey its observations on any document/drawing shall relieve the Concessionaire of its obligations and liabilities under this Agreement in any manner nor shall the Authority be liable for the same in any manner whatsoever.

MATERIALS

General:

Sourcing of all materials as well as compliance with Environmental requirements under the Applicable Laws in respect of all works to be executed under the Concession Agreement shall be the sole responsibility of the Concessionaire. All materials whether natural (such as earth, gravel, sand, aggregates etc.,) processed (such as concrete mixes, bitumen) or manufactured (such as cement, steel, bollards, fenders, ladders, crane rails etc.,) shall be incorporated in the work only if they are tested and found to meet the requirements of the standards or in the absence of the same conform to the Good Industry Practice.

Natural Materials:

Physical requirements of earth, gravel, sand and aggregates shall conform to the requirements of the provisions of the relevant Indian Standards.

Natural aggregates when crushed and blended for various uses different size fractions shall be proportioned to form grading conforming to the requirements of the relevant Indian Standards as are relevant to the intended use of the material.

Processed materials:

Cement concrete mixes:

Concrete mixes plain or reinforced shall be design mixes designed in accordance with the provisions of IS 456. Concrete of M-30 grade or higher shall be used for the project except for the leveling course in foundations where M-15 grade concrete shall be used. Specific requirements of the mixes (such as workability, water cement ratio, use of admixtures, grades of cement and steel, minimum and maximum cement

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content, 7 days and 28 days strengths etc.) shall be as per those provisions of relevant Indian Standard specifications as are relevant to the intended use of the concrete mix.

Bituminous mixes:

Bituminous mixes shall be hot mix type and shall be designed in accordance with the provisions of MOST specifications as relevant to the type of mix intended to be used.

Manufactured materials:

Cement:

Ordinary Port land cement grades 33, 43 and 53 conforming to IS : 269, IS : 8112 and IS : 12269 respectively or Port land slag cement conforming to IS : 455 shall be used subject to the condition that the design cement content does not exceed 540 KG/cum and the minimum requirement of cement from durability considerations are provided. It is expressly clarified that the use of Port land pozzolana cement shall not be permissible for any structural concrete.

Bitumen:

Paving grade bitumen conforming to IS : 73 shall be used. Crumb rubber modified bitumen (CRMB) and polymer modified bitumen (PMB) conforming to IRC : SP: 53 shall be used.

Steel:

High yield strength deformed (HYSD) reinforcing bars of Fe -415 grade conforming to IS:1786 and high tensile strength pre-stressing tendons conforming to IS:6006 shall be used.

Expansion joints, anchorages, fenders, bollards, ladders shall meet the relevant provisions of the Indian Standard Codes, recommendations of the system providers, manufacturers testing and certification and the designers design assumptions.

The Concessionaire may use other construction materials for which a detailed design procedure to be adopted shall be furnished to Independent Engineer for review and comments.

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APPENDIX 7

TERMS OF REFERENCE FOR INDEPENDENT ENGINEER

1. Role and functions of the Independent Engineer

The Independent Engineer is expected to play a positive and independent role in discharging its functions, thereby facilitating the smooth implementation of the Project.

The role and functions of the Independent Engineer shall include the following:

- (i) review of the Designs and Drawings;
- (ii) review, inspection and monitoring of Construction Works and submit fortnightly progress reports to both Concessionaire & Concessioneing Authority.
- (iii) conducting Tests on completion of construction and issuing Completion / Provisional Certificate;
- (iv) determining, as required under the Agreement, the costs of any works or services and / or their reasonableness;
- (v) determining, as required under the Agreement, the period or any extension thereof, for performing any duty or obligation;
- (vi) assisting the Parties in resolution of disputes on all technical matters as per the Concession Agreement. and
- (vii) undertaking all other duties and functions as envisaged under the Agreement.

2. Review of Designs and Drawings

- (i) The Independent Engineer shall undertake a detailed review of the Designs & Drawings to be furnished by the Concessionaire along with supporting data, including, if relevant the geo-technical and hydrological investigations, characteristics of materials from borrow areas and quarry sites, topographical surveys and traffic surveys. The Independent Engineer shall complete such review and send its comments in accordance with the Agreement. In particular, such comments shall specify the conformity or otherwise of such Designs & Drawings with the Project Requirements, Construction Standards and Safety Standards.

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- (ii) The Independent Engineer shall review the detailed design, construction methodology, quality assurance procedures and the procurement, engineering and construction time schedule sent to it by the Concessionaire and furnish its comments. The Independent Engineer shall take into account comments and suggestions of the Concessioneing Authority, if any while furnishing the comments.
- (iii) The Independent Engineer shall review the monthly progress reports as regards the Construction Works.
- (iv) The Independent Engineer shall inspect the Construction Works once every month, preferably after receipt of the monthly progress report from the Concessionaire, but before the 20th (twentieth) day of each month in any case, and make out a report of such inspection (the "Inspection Report") setting forth an overview of the status, progress, quality and safety of construction, including the work methodology adopted, the materials used and their sources, and conformity of Construction Works with the with the Construction Standards and Safety Standards. In a separate section of the Inspection Report, the Independent Engineer shall describe in reasonable detail the lapses, defects or deficiencies observed by it in the Construction Works.
- (v) The Independent Engineer may inspect the Construction Works more than once in a month if any lapses, defects or deficiencies require such inspections.
- (vi) For determining that the Construction Works conform to Construction Standards, the Independent Engineer shall require the Concessionaire to carry out, or cause to be carried out, tests on a sample basis, to be specified by the Independent Engineer in accordance with Good Industry Practice for quality assurance. The Independent Engineer shall issue necessary directions to the Concessionaire for ensuring that the tests are conducted in a fair and efficient manner, and shall monitor and review the results thereof.

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- (vii) The tests shall be undertaken on a random sample basis and shall be in addition to, and independent of, the tests that may be carried out by the Concessionaire for its own quality assurance in accordance with Good Industry Practice.
- (viii) In the event that the Concessionaire carries out any remedial works for removal or rectification of any defects or deficiencies, the Independent Engineer shall require the Concessionaire to carry out, or cause to be carried out, tests to determine that such remedial works have brought the Construction Works into conformity with the Construction Standards.
- (ix) In the event that the Concessionaire fails to adhere to the Project Schedule and complete the Construction Works on the specified Milestone Dates, the Independent Engineer shall undertake a review of the progress of construction and identify potential delays, if any. If the Independent Engineer shall determine that completion of the Project is not feasible within the time specified in the Agreement, it shall require the Concessionaire to indicate within 15 (fifteen) Days the steps proposed to be taken to expedite progress, and the period within which the Project shall be completed. Upon receipt of a report from the Concessionaire, the Independent Engineer shall review the same and send its comments to the Concessioning Authority and the Concessionaire forthwith.
- (x) If at any time during the Construction Period, the Independent Engineer determines that it is not safe to carry on Construction Works for any reason whatsoever including if the Concessionaire has not made adequate arrangements for the safety of workers or other third parties or that any work is being carried out in a manner that threatens such safety, it shall make a recommendation to the Concessioning Authority forthwith, identifying the whole or part of the Construction Works that should be suspended for ensuring safety in respect thereof.
- (xi) Upon remedial measures being taken by the Concessionaire for securing the safety of suspended works, the Independent Engineer shall inspect the safety

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measures for adequacy and recommend whether or not such suspension may be revoked by the Concessioneing Authority.

(xii) If suspension of Construction Works is for reasons not attributable to the Concessionaire, the Independent Engineer shall determine the extension of time for completion, to which the Concessionaire is reasonably entitled, and shall notify the Concessioneing Authority and the Concessionaire of the same.

(xiii) The Independent Engineer shall carry out, or cause to be carried out, all the Tests specified in the Appendix hereto and issue a Completion Certificate or Provisional Certificate, as the case may be, in accordance with the provisions of the Agreement.

Annexure

Tests

CIVIL:

- 1) All materials to be used, all methods to be adopted and all works performed shall be strictly in accordance with the relevant IS specification for the Project Requirements. The relevant specification for the safety and navigational aspects shall be referred for the type of tests and frequency of tests. For this purpose, the responsibility of the Concessionaire and their Contractors will be as per the relevant provisions of this Agreement.
- 2) The Concessionaire shall carry out quality control tests on the material and works at the frequency stipulated in the respective IS codes. The tests on equipments and machinery shall be ensured while its manufacturing and subsequent installation at site. In case of absence of clear indication of the frequency and type of tests the best industrial practice shall be used for testing with the approval of the Independent Engineer.
- 3) The Concessionaire shall carry out all necessary tests on materials and works independently and keep their records for reference. The Concessionaire shall prepare a quality audit manual in consultation with the Independent Engineer to ensure better quality of work.
- 4) The provisions of type and frequency of test in relevant IS codes are minimum. The Concessionaire shall conduct all possible tests to ensure quality construction and installation of equipments and machinery.
- 5) The Independent Engineer at his discretion and consistent with the sound engineering practices shall carry out any non-destructive test on completed works, structures, equipments and machinery and any other component to ascertain the soundness of the work.
- 6) Schedule of tests.
 - (i) the Concessionaire shall submit a detailed inventory and particulars of all works and equipment and machinery forming part of the Agreement
 - (ii) The Concessionaire shall notify the Independent Engineer for its readiness for tests to be conducted

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7) Tests:

- (i) Visual and physical test: The Independent Engineer shall conduct a visual and physical check of the Port requirements to determine that all works and equipment forming part thereof conform to the provisions of the Agreement.
- (ii) Test drive: The Independent Engineer shall arrange for test drives of the movable equipment for the quality of service as per the relevant provisions of the IS codes for manufacture and testing of equipments and machinery
- (iii) Structural test: All the equipment and machinery and structures shall be subjected to load test as the case may be for ascertaining safe working loads.
- (iv) Environmental Audit: The Independent Engineer shall carry out a check to determine conformity of the Project Requirements with the environment requirement set forth in Applicable Laws and Applicable Permits.
- (v) Safety Review: Safety Audit of the project requirements shall have to be undertaken with the assistance of the relevant statutory authorities and determine conformity of the Project Requirements with the provisions of the Agreement.
- (vi) The procedures for tests: The procedures as stipulated in the relevant IS specifications shall be adhered and the equipments for testing shall be arranged through the Concessionaire.
- (vii) The Independent Engineer shall obtain a copy of operational and maintenance manuals of the Project Requirements from the Concessionaire and verify the contents of the manual in order to meet the following requirements.
The operation and maintenance manual shall essentially comprise of general requirement of O&M, O&M plans, replacement of maintenance parts, schedule of routine maintenance, schedule of preventive maintenance and periodic maintenance. The manual will also cover the minimum maintenance requirement to adhere to the Performance Standards as per the provisions of this Agreement. The manual shall generally cover the expected failures and time taken for repairs and maintenance.

- 8) The test procedures shall be followed as per ASTM, BIS, IS
- 9) The Tests shall also satisfy the appropriate Authority and Certification
- (i) Dock safety Directorate
 - (ii) Environmental Authority
 - (iii) Director of Explosives
 - (iv) Fire
 - (v) Ground Water Authority
 - (vi) Customs

MECHANICAL

Load tests:

1. Prior to being placed in service, the conveyor system & equipments shall be tested under over load conditions as below:
- 1.1. Dynamic test : The dynamic test shall be carried out with a load of 120 percent of the safe working load. All motions shall be carefully operated in turn with out checking speeds or temperature rises in the motors.
 - 1.2. Static test : The static test shall be carried out with a load equal to 140 per cent of the safe working load. This test shall be carried out under still conditions and consists of hoisting the safe working load to small distance above the ground and then adding the require surplus with out shock.
 - 1.3. Acceptable tolerances for rail mounted equipments: Acceptable tolerance on trolleys & the trolley rail centre distances shall not differ from the nominal dimension by more than ± 3 mm.
 - 1.4. The difference in height of two opposite points of the trolleys, track perpendicular to the travel direction of the trolley shall not exceed 0.15 percent of the trolley rail-centre distance, with a maximum of 10 mm.
 - 1.5. The axis of the wheel axle bores shall be within an angular deviation in the horizontal place of ± 0.04 percent from its theoretical position.
 - 1.6. The axle bores of the wheels opposite to each other and if wheels are mounted in bogies, the axis of the bogies pins of the unwrapped trolley and unloader bridge shall have an alignment divergence in the vertical plane, less than 0.15 percent, maximum 2 mm of the trolley wheel centre distance.

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- 1.7 The centres of the wheels rolling on a common rail shall not diverge more than ± 1 mm from the rail centre.
- 1.8 For bushed wheels the above tolerances apply with the wheels in a central position between the wearing plates at either side of the wheel boss.
- 1.9 The diameter tolerance of the wheel shall correspond to 'h9' as per IS 919 (part I) : 1993.
- 1.10 The above tolerance apply to non-driven wheels also as the wheels shall have to be interchangeable.
- 1.11 It is assumed that with the trolley positioned in the centre of the span the deflection of both rail tracks shall be approximately equal.

2. Inspection & Testing Before Shipment / Transportation to the Yard:

- 2.1. Following Testing / Inspection / Checking should be carried out in presence of the 3rd Party Inspection Agency, before Shipment / Transportation to Yard:
 - a) Stage-wise inspection of material (including test for bought out items), welding, casting & forging, assemblies, subassemblies, painting, etc.
 - b) Verification of all critical dimensions.
 - c) Checking and testing of all motions, without load (physically in coupled / decoupled condition or deriving from the test results).
- 2.2. Copies of all test & checking reports and certificate regarding successful completion of design shall have to be submitted to the Engineer before shipment. Based on the satisfactory test report and design appraisal certificate, the despatch clearance will be given by the Engineer, before shipment.
- 2.3. **FINAL TESTING & COMMISSIONING:**

After completion of the erection and installation of the Reclaimer, all equipment and machinery shall be tested and the same shall be run without load and all necessary adjustments shall then be completed.

Following Testing / Inspection / Checking should be carried out in presence of the Independent Engineer at the site.

 - a) Tests for Long travel Operation, Boom Luffing Range, Boom Slewing Range as per Principal Technical Parameters, including all specified movements, etc.
 - b) Operation of all limit switches, safety trips, cut outs, emergency stops and control device.

c) Endurance Test:

Endurance Test for minimum 12 hours operation (in 3 phases of continuous work for minimum 4 hrs.), shall have to be shown by the Contractor at site ..

d) Demonstration of guaranteed capacity.

The Contractor shall have to demonstrate regarding achieving the guaranteed capacity of 4500 MT per hour , before handing over, as per the procedure detailed below. The Contractor shall demonstrate that the Conveyor system & equipments shall be able to meet the guaranteed capacity requirement specified herein without any undue strain and vibration. It shall be able to achieve the speed of various motions as assumed for guaranteed capacity calculation by the Contractor. The test for guaranteed capacity shall be carried out for continuous operation for 1 (one) hour. Such test, as described above, shall be repeated three times and average quantity of Coal reclaimed (in MT) thereof will be used to arrive at the guaranteed capacity of 4500 MT per hour.

2.4. INSPECTION OF WELDING JOINTS, CASTING & FORGING:

- a) All welding work, casting and forging shall be subjected to radiographic or ultrasonic testing as per design requirement and Test Certificate shall be furnished. The Engineer or his representative or the third party inspection agency reserves the right to examine the radiographic films of welding joints independently. In case of difference of opinion on a radiographic film about the soundness of any welding joint between the Contractor and the Engineer, the opinion of any Govt. Testing Laboratory / Institution or Govt. Recognized Testing Laboratory / Institution in India shall govern.
- b) Suitable means shall be adopted in identifying each radio graphically tested joint with reference to the radiographic films even after commissioning and the same information shall be furnished to the Employer at the time of delivery of the equipment for documentation.
- c) Minimum 300 millimeters for each 1000 millimeter length of welding joints shall be radio graphically tested whenever design / manufacturing drawings call for testing.
- d) The Engineer reserves the right to test radio graphically about 3% length of any other welding joints, which are not covered in above para(ii).
- e) If any of the tests shows defective welding, further test shall be carried out. All such tests shall be at the Contractor's cost.

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- f) All radiographic quality welding joints shall be principally grade 'black'. However, grades 'blue' and 'green' will also be acceptable, subject to the approval of the Engineer, on tension and shear load-carrying members respectively provided they are of short lengths.

3. STANDARDS, ACTS, RULES:

- 3.1. The system of units known as the System International (S.I.) shall be adopted.
- 3.2. The work shall be carried out in accordance with the requirements of the latest revision of the applicable Indian Codes. Where Indian Codes are not available, suitable International Codes will be applicable.
- 3.3. The minimum Standard for Material and Components, to be used. However, for the Material and Components, which are not specified, Standard should be as per IS / BS / EN / DIN / JIS / ISO / IEC.
- 3.4. Relevant aspects of following Rules / Code of Practices should also be followed and complied with:
 - I. Indian Factories Act.
 - II. Indian Electricity Rules.
 - III. Indian Electricity Act.
 - IV. Other local regulations.

4.0 TEST FOR ELECTRICAL SYSTEM:

Before any electrical system is put to use, the Contractor shall carry out all the tests as per Indian Electricity Rules and IEC / IEE or equivalent international standards for electrical installations

- 4.1 Motors control wiring and other electrical equipment shall be designed and tested in accordance with the latest version of applicable Indian Standard specifications. Where no Indian standard is available equipment shall conform to relevant British standard / VDE / IEC specifications.

Air conditioning: In the interest of long life and reliable operation, electronic components and other components sensitive to temperature, humidity and dust, shall be located in air-conditioned space(s).

- 4.2. Communication facilities: Inter-communication facility within the equipments is recommended.

- 4.3 Automation: Where considered essential automation may be provided to reduce physically and psychological stress of operator. Provision shall be kept for overriding automation.

Tests on electrical equipment:

- a) The transformer and motor shall be given tests by the manufacturer according to their respective standards; manufacturer shall provide certified test reports. The switchgear shall be tested after assembly at the factory of wiring and functioning of the equipment.
- b) After installation, all circuits and equipment shall be tested by the Contractor for grounds, short circuits and proper operation.
- c) All cables, motors, instrument transformer and all dry type transformers shall be meggered by the Contractor and a log kept of such tests. This log shall be certified by the Engineer before completion of the job both as test and date of test.
- d) The 415 volts circuit breakers and starters shall be given a die-electric test of 2000 volts for the minute between Live parts and ground and between opposite polarities. The wiring and control circuits shall be given a die-electric test of 1500 volts for one minute between live parts and ground.
- e) All major equipment such as transformers switchgear, motor control centers etc., and motors shall be energized initially in the presence of the Independent Engineer.

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APPENDIX 8

PERMITS AND CLEARANCES PROCURED BY THE CONCESSIONAIRE / CONCESSIONING AUTHORITY

Procurement of MoEF clearance for the Project will be the responsibility of the Concessioning Authority. However, the stipulations put forth by MoEF while granting the Environmental Clearance including the Environment Management Plan shall be the responsibility of the Concessionaire.

Concessionaire is liable to obtain Applicable Permits as and when required before commencement of the construction works.

A. The following is list of Applicable Permits, the list of Applicable Permits is not exhaustive however, the Concessionaire will have to ascertain independently the Applicable Permits and indicate time frame for obtaining the Applicable Permits.

Activity	Authority
Environmental Clearance	Consent for Establishment (CFE) under the provisions of water (P&C) Act 1974 and Air (P& C) Act 1981 from Andhra Pradesh State Pollution Control Board.
Plot Plan approval	Dock safety Inspector / OISD guidelines.
Electrical Installations	Electrical Inspectorate, Govt. of Andhra Pradesh
Fire Safety Concerns	Chief Fire Officer, Hyderabad OISD guidelines or Applicable international codes / practices

B. The following is a list of the Applicable Permits available with the Concessioning Authority

Activity	Authority
Port Limit Notification	Ministry of Shipping
Custom Notification for Part of area proposed to be leased.	Commissioner of Customs.
Environmental Clearance	Prior Environmental clearance from MOEF, New Delhi.

APPENDIX 9

PERFORMANCE GUARANTEE

(PROFORMA OF BANK GUARANTEE)⁴⁰

THIS DEED OF GUARANTEE executed on this the --- day of --- at --- by ---

M/s. --- Bank having its Head/Registered office at ---
--- hereinafter referred to as "the Guarantor" which expression shall unless it be repugnant to the subject or context thereof include its successors and assigns;

In favour of

THE VISAKHAPATNAM PORT TRUST, a body corporate constituted under the provisions of the Major Port Trusts Act, 1963 and having its Administrative Office at VISAKHAPATNAM -530035, ANDHRA PRADESH, INDIA (hereinafter referred to as "the Board" or "the Concessioneing Authority") which expression shall, unless repugnant to the context or meaning thereof include its administrators, successors or assigns.

WHEREAS

- a) The Board, vide its Request for Proposal dated 12.12.2009 ("the RFP") invited duly short listed bidders to implement a project envisaging Planning, Designing, Engineering, Installation, Finance, Operation & Maintenance of Mechanised Coal Handling Facilities and Upgradation of General Cargo Berth (GCB) at Outer Harbour of Visakhapatnam Port to cater 200,000 DWT Vessels on DBFOT basis by Private Sector Participation (more particularly described in Appendix 1 and hereinafter referred to as "the Project");
- b) After evaluation of the bids received in response to the RFP, the Board accepted the bid of the consortium comprising of Sterlite Industries (India) Limited, and Leighton Contractors India Private Limited ("the Consortium") and issued the Letter of Intent No ICME/MOF/GCB/2010/1307 dated March 1, 2010.

⁴⁰ To be issued by a Scheduled Bank in India.

("LOI") to the Consortium / Applicant requiring, inter alia, the execution of the Concession Agreement, ("the Concession Agreement") the draft whereof was provided in the RFP;

- c) Pursuant to the LOI the Applicant / Consortium has promoted and incorporated a special purpose company VIZAG GENERAL CARGO BERTH PRIVATE LIMITED ("the Concessionaire"), to enter into the Concession Agreement for undertaking, inter alia, the work with respect to the Project referred to in Recital (a) above and to perform and discharge all its obligations there under.
- d) In terms of the LOI and the Concession Agreement, the Concessionaire is required to furnish to the Board, a Performance Guarantee being an unconditional and irrevocable Bank Guarantee from a Scheduled Bank for a sum of Rs.222.05 Millions (Rupees Two hundred twenty two decimal zero five Million) as security for due and punctual performance / discharge of its obligations under the Concession Agreement during the Construction Phase,
- e) At the request of the Concessionaire, and for valid consideration the Guarantor has agreed to provide guarantee, being these presents guaranteeing the due and punctual performance / discharge by the Concessionaire of its obligations under the Concession Agreement during the Construction Phase.

NOW THEREFORE THIS DEED WITNESSETH AS FOLLOWS:

1. Capitalized terms used herein but not defined shall have the meaning assigned to them respectively in the Concession Agreement.
2. The Guarantor hereby irrevocably and unconditionally guarantees the due execution and punctual performance by M/s. VIZAG GENERAL CARGO BERTH PRIVATE LIMITED ("the Concessionaire") of all its obligations under the Concession Agreement during the Construction Phase.
3. The Guarantor shall, without demur or protest, pay to the Board sums not

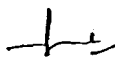

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exceeding in aggregate Rs.222.05 Millions (Rupees Two hundred twenty two decimal zero five Million) within five (5) calendar Days of receipt of a written demand therefor from the Board stating that the Concessionaire has failed to meet its performance obligations under the Concession Agreement during the Construction Phase. The Guarantor shall not go into the veracity of any breach or failure on the part of the Concessionaire or validity of demand so made by the Board and shall pay the amount specified in the demand notwithstanding any direction to the contrary given or any dispute whatsoever raised by the Concessionaire or any other Person before any court, tribunal, expert, arbitrator or similar proceedings. The Guarantor's obligations hereunder shall subsist until all such demands of the Board are duly met and discharged in accordance with the provisions hereof. Any such demand made on the Guarantor by the Board shall be conclusive, absolute and unequivocal as regards the amount due and payable by the Guarantor under this Agreement. The Concessioneing Authority shall at all times at its sole discretion have the absolute and unconditional right to call upon the Guarantor to pay the amount under the Guarantee.

4. In order to give effect to this Guarantee, the Board shall be entitled to treat the Guarantor as the principal debtor. The obligations of the Guarantor shall not be affected by any variations in the terms and conditions of the Concession Agreement or other documents or by the extension of time for performance granted by the Board or postponement/non exercise / delayed exercise of any of its rights by the Board or any indulgence shown by the Board to the Concessionaire and the Guarantor shall not be relieved from its obligations under this Guarantee on account of any such variation, extension, postponement, non exercise or delayed exercise by the Board of any of the Board's rights or any indulgence shown by the Board; provided nothing contained herein shall enlarge the Guarantor's obligation hereunder.
5. This Guarantee shall be unconditional and irrevocable and shall remain in full force and effect until Scheduled Project Completion Date and for a period of twelve months thereafter unless discharged / released earlier by the Board in accordance with the provisions of the Concession Agreement. The Guarantor's

liability in aggregate shall be limited to a sum of Rs.222.05 Millions (Rupees Two hundred twenty two decimal zero five Million).

6. This Guarantee shall not be affected by any change in the constitution or winding up, insolvency, bankruptcy, dissolution or liquidation of the Concessionaire / the Guarantor or any absorption, merger or amalgamation of the Concessionaire/the Guarantor with any other Person.
7. Any payment made hereunder shall be made free and clear of, and without deduction for or on account of taxes, levies, imposts, duties, charges, fees, deductions, or withholding of any nature whatsoever.
8. The Guarantor hereby irrevocably and unconditionally undertakes, agrees and acknowledges that its obligations as a Guarantor hereunder:
 - a. shall not be affected by the existence of or release or variation of any other guarantee or security for any of the obligations of the Concessionaire under the Concession Agreement;
 - b. shall not be affected by any failure by the Concessioneing Authority to perform any of its obligations under the Agreement;
 - c. shall not be affected by any failure or delay in payment of any fee or other amount payable to the Guarantor in respect hereof;
 - d. shall not be affected by any exercise or non-exercise of any right, remedy, power or privilege of any person under or in respect of any payment obligations of the Conoessionaire under the Concession Agreement;
 - e. shall not be affected by any failure, omission or delay on the Concessioneing Authority's part to enforce, assert or to exercise any right, power or remedy conferred on the Concessioneing Authority in this Guarantee;
 - f. shall not be affected by any act, omission, matter or thing which, but for this



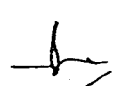
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clause would reduce, release or prejudice the Guarantor from any of the obligations under this Guarantee or prejudice or diminish the obligations in whole or in part.

9. The obligations, covenants, agreements and duties herein shall not be subject to any counterclaims, cross claims, set offs, deductions, withholdings, diminutions, abatements, recoupments, suspensions, deferments, reductions or defence for any reason whatsoever and the Guarantor, shall have no right to terminate this Guarantee or to be released, relieved or discharged from any of its obligations, covenants, agreements and duties hereunder for any reason whatsoever.
10. The Guarantor has power to issue this guarantee and discharge the obligations contemplated herein, and the undersigned is duly authorized to execute this Guarantee pursuant to the power granted under _____.
11. This Guarantee shall be governed by and construed in accordance with the laws of India. The Guarantor hereby irrevocably submits to the exclusive jurisdiction of the Court of Visakhapatnam for the purposes of any suit, action, or other proceeding arising out of this Guarantee, or the subject matter hereof, brought by the Concessioneing Authority or its successors or assigns. To the extent permitted by Applicable Law, the Guarantor or its successors or assigns hereby waive, and shall not assert, by way of motion, as defence, or otherwise, in any such suit, action, or proceeding any claim that such suit, action, or proceedings is brought in an inconvenient forum, or that the value of such suit, action, or proceeding is improper, or that the subject matter hereof may not be enforced in or by such court.

IN WITNESS WHEREOF THE GUARANTOR HAS SET ITS HANDS
HEREUNTO ON THE DAY, MONTH AND YEAR FIRST HEREINABOVE
WRITTEN

SIGNED AND DELIVERED by
_____ Bank by the
hand of Shri _____ its
_____ and authorized official.



APPENDIX 10

CERTIFICATES

COMPLETION CERTIFICATE

1. I, [•] (Name of the Independent Engineer), acting as Independent Engineer, under and in accordance with the Agreement dated [•], for Planning, Designing, Engineering, Installation, Finance, Operation & Maintenance of Mechanised Coal Handling Facilities and Upgradation of General Cargo Berth (GCB) at Outer Harbour of Visakhapatnam Port to cater 200,000 DWT Vessels on DBFOT basis by Private Sector Participation, through [(Name of Concessionaire)], hereby certify that the Tests specified in Article [•] and Schedule-[•] of the Agreement have been successfully undertaken to determine compliance of the Project with the provisions of the Agreement, and I am satisfied that the Project can be safely and reliably placed in commercial service of the users thereof.
2. It is certified that, in terms of the aforesaid Agreement, all works forming part of the Project have been completed, and the Project is hereby declared fit for entry into commercial operation on this the [•] day of [•] 20[•].

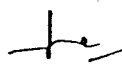
SIGNED, SEALED AND DELIVERED For and on behalf of
the INDEPENDENT ENGINEER by:

(Signature)

(Name)

(Designation)

(Address)





PROVISIONAL CERTIFICATE

1. I, [[•]] (Name of the Independent Engineer)], acting as Independent Engineer, under and in accordance with the Agreement dated [•], for Planning, Designing, Engineering, Installation, Finance, Operation & Maintenance of Mechanised Coal Handling Facilities and Upgradation of General Cargo Berth (GCB) at Outer Harbour of Visakhapatnam Port to cater 200,000 DWT Vessels on DBFOT basis by Private Sector Participation through [• (Name of Concessionaire)], hereby certify that the Tests specified in Article [•] and Schedule-[•] of the Agreement have been undertaken to determine compliance of the Project with the provisions of the Agreement.
2. Construction Works that were found to be incomplete and / or deficient have been specified in the Punch List appended to the Provisional Certificate, and the Concessionaire has agreed and accepted that it shall complete and/or rectify all such works in the time and manner set forth in the Agreement. [Some of the incomplete works have been delayed as a result of reasons attributable to the Concessioneing Authority or due to Force Majeure and the Provisional Certificate cannot be withheld on this account. Though the remaining incomplete works have been delayed as a result of reasons attributable to the Concessionaire,] I am satisfied that having regard to the nature and extent of such incomplete works, it would not be prudent to withhold commercial operation of the Project, pending completion thereof.
3. In view of the foregoing, I am satisfied that the Project can be safely and reliably placed in commercial service of the users thereof, and in terms of the Agreement, the Project is hereby provisionally declared fit for entry into commercial operation on this the [•] day of [•] 20[•].

ACCEPTED, SIGNED, SEALED AND DELIVERED For and on behalf of CONCESSIONAIRE by: (Signature) (Name and Designation) (Address)	SIGNED, SEALED AND DELIVERED For and on behalf of INDEPENDENT ENGINEER by: (Signature) (Name and Designation) (Address)
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APPENDIX 11

PERSONNEL AND LABOUR REQUIREMENTS

The Project does not envisage taking over of any personnel / labour from the Authority

APPENDIX 12

TARIFFS

UPFRONT TARIFF SCHEDULE FOR MECHANISED HANDLING OF COKING COAL AND STEAM COAL

1.1. DEFINITIONS

In this Scale of Rates unless the context otherwise requires, the following definitions shall apply:

- (i) **"Coastal vessel"** means any vessel exclusively employed in trading between any port or place in India to any other port or place in India having a valid coastal licence issued by the competent authority.
- (ii) **"Foreign going vessel"** means any vessel other than a Coastal vessel.
- (iii) **"Day"** shall mean the period starting from 6.00 A.M. of a day and ending at 6.00 A.M. on the next day.

1.2. GENERAL TERMS & CONDITIONS

- (i) The status of the vessel, as borne out by its certification by the customs or Director General of Shipping, is the relevant factor to decide whether vessel is "coastal" or "foreign-going" for the purpose of levy of vessel related charges; and the nature of cargo or its origin will not be of any relevance for this purpose.
- (ii)
 - (a) The berth hire charges for all coastal vessels should not exceed 60% of the corresponding charges for other vessels.
 - (b) The cargo related charges for all coastal cargo other than thermal coal should not exceed 60% of the normal cargo related charges.
 - (c) In case of cargo related charges, the concessional rates should be levied on all the relevant handling charges for ship shore transfer and transfer from/to quay to/from storage yard including wharfage.
 - (d) Cargo from a foreign port which reaches an Indian Port "A" for subsequent transshipment to Indian Port "B" will be levied the concession charges relevant for its coastal voyage. In other words, cargo from/to Indian Ports carried by vessels permitted to undertake coastal voyage will qualify for the concession
- (iii) Interest on delayed payments / refunds.
 - (a) The user shall pay penal interest on delayed payments of under this Scale of Rates. Likewise, the terminal operator shall pay penal interest on delayed refunds.
 - (b) The rate of penal interest will be 2% above the prime lending rate of the State Bank of India.
 - (c) The delay on refunds will be counted only 20 days from the day of completion of services or on production of all the documents required from the users, whichever is later.

- (d) The delay in payments by the users will be counted only 10 days after the date of raising the bills by the terminal operator. This provision shall, however, not apply to the cases where payment is to be made before availing the services where payment of charges in advance is prescribed as a condition of the scale of rates.
- (iv) In calculating the gross weight or measurement by volume or capacity of an individual item, fractions up to and inclusive 0.5 shall be taken as 0.5 unit and fractions of above 0.5 shall be treated as one unit, except where otherwise specified.
- (v) All charges worked out shall be rounded off to the next higher rupee on the grand total of the bill.
- (vi) (a) The rates prescribed in the Scale of Rates are ceiling levels; likewise rebates and discounts are floor levels. The terminal operator may, if they so desire, charge lower rates and / or allow higher rebates and discounts.
- (b) The terminal operator may also, if they so desire, rationalise the prescribed conditionalities governing the application of rates prescribed in the Scale of Rates if such rationalisation gives relief to the user in rate per unit and the unit rates prescribed in the Scale of Rates do not exceed the ceiling levels.
- (c) The terminal operator should notify the public such lower rates and / or rationalisation of the conditionalities governing the application of such rates provided the new rates fixed shall not exceed the rates notified by the TAMP.
- (vii) Users will not be required to pay charges for delays beyond a reasonable level attributable to terminal operator.

2. BERTH HIRE CHARGES:

Sl. No.	Vessels	Rate per GRT per hour or part thereof	
		Foreign Going Vessel (in Re.)	Coastal Vessel (in Re.)
1.	Vessels	0.654	0.392

Notes:

- (i) The period of berth hire shall be calculated from the time vessel occupied the berth till she vacates the berth.
- (ii) Berth hire includes charges for services rendered at the berth, such as occupation of berth, rubbish removal, cleaning of berths, fire watch etc.
- (iii) No berth hire shall be levied for the period when the vessel idles at its berth for continuous one hour or more due to non-availability / break down of terminal operator's equipment or power failure or any reasons attributable to the terminal operator.
- (iv) (a) Berth hire shall stop four hours after the time of the vessel signaling its readiness to sail.
- (b) The time limit of 4 hours prescribed for the cessation of the berth hire shall exclude the ship's waiting time for want of favorable tide conditions, inclement weather and due to lack of night navigation.

- (c) The Master / agent of the vessel shall signal readiness to sail only in accordance with favourable tidal and weather conditions.

- (v). The Penal berth hire shall be equal to one-day's (24 hours) berth hire charges for a false signal.

"False Signal" would be when the vessel signals readiness and asks for a pilot in anticipation even when she is not ready for un-berthing due to engine not being ready or cargo operation not completed or such other reasons attributable to the vessels. This excludes signaling readiness when a vessel is not able to sail due to unfavorable tide, lack of night navigation or adverse weather conditions."

3. CARGO HANDLING CHARGES:

Sl. No.	Commodity	Unit	Rate in Rupees	
			Foreign	Coastal
(a).	Coking coal	Per Metric Tonne	131.94	79.16
(b).	Steam coal	Per Metric Tonne	131.94	79.16

Note:

The handling charges prescribed above is a composite charge for unloading of the cargo from the vessel and transfer of the same up to the point of storage, storage at the stackyard up to a free period of 10 days reclaiming from stackyard and loading on to railway wagons including wharfage and supply of labour whenever necessary and all other miscellaneous charges not specifically prescribed in the Scale of Rates.

4. STORAGE CHARGES:

The Storage charges for the cargo stored in the stack yard beyond the free period shall be as below:

Sl. No.	Commodity	(Rate in Rs. per tonne per day or part thereof)		
		Rate for first 5 days for the balance cargo remaining after the free period	Rate for 6 th day to 10 th day for the balance cargo	Rate for 11 th onwards for the balance cargo
1.	Coking coal and Steam coal	1.58	3.16	6.32

Notes:

- 10 free days shall be allowed. Free period shall commence from the day following the day of complete discharge of vessel cargo. For the purpose of calculation of free period, Custom notified holidays and Terminal's non-working days shall be excluded.
- Storage charges shall be payable for all days including Terminal's non-working days and Customs notified holidays for stay of cargo beyond the prescribed free days.
- Storage charges on cargo shall not accrue for the period when the terminal operator is not in a position to deliver / ship the cargo when requested by the user due to reasons attributable to the Terminal operator.

5. MISCELLANEOUS CHARGES:

The following Miscellaneous charges are applicable of coking coal and steam coal handled:

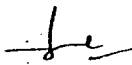
Sl. No.	Particulars	Rate per tonne or part thereof (in Rs.)
(i)	Charges for Sweeping, dust suppression and environment etc.	1.35

6. GENERAL NOTE TO SCHEDULE (2) TO (5) ABOVE:

The tariff caps will be indexed to inflation but only to an extent of 60% of the variation in Wholesale Price Index (WPI) occurring between 1 January 2009 and 1 January of the relevant year. Such automatic adjustment of tariff caps will be made every year and the adjusted tariff caps will come into force from 1 April of the relevant year to 31st March of the following year.

Note: Sl.No.6 regarding Indexation of Tariff caps with reference to the variation in Whole Sale Price Index (WPI), TAMP's letter No.TAMP/12/2009/Miscellaneous-dt.04.04.2010 states as follows.

"The escalation factor to be applied for Tariff with base Whole Sale Price Index (WPI) as on 01.01.2009 is 1.28% and the adjusted up front tariff will be in force for the period 01.04.2010 to 31.03.2010."



APPENDIX 13

RATES APPLICABLE IN RESPECT OF LAND, UTILITIES AND SERVICES

- | | | |
|-------------------------------|---|--------------------|
| 1. For Land | : | Schedule of Rates. |
| 2. For Utilities and services | : | Scale of Rates. |

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APPENDIX 14

MINIMUM GUARANTEED CARGO

Sl. No	Period*	MGC	Quantity
1.	0-5 years	25% of 10.18 MMT	2.54 MMT
2.	6-15 years	40% of 10.18 MMT	4.07 MMT
3.	Beyond 15 years	60% of 10.18 MMT	6.11 MMT

* Period is reckoned from the date of commercial operations.

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APPENDIX 15

PERFORMANCE STANDARDS

Performance Standards

1. Gross Berth Output

The parameter deals with the productivity of the terminal (Gross Berth Output) for different types of cargo. In case of dry and break-bulk cargo, the capability of the terminal (mechanization, method of handling) and parcel size will determine the Gross Berth Output. Higher terminal capability and greater parcel size will lead to high productivity.

The Gross Berth Output shall be calculated as the total cargo handled (either loaded / unloaded) from the ship during a month divided by the time spent by the ship at the terminal ie number of working days at the berth.

The indicative norms for Gross Berth Output for different categories of cargo are as follows:

Cargo Category		Indicative Norms
Coking Coal - Import (Mechanized)		
Cape size	Coking Coal	70,000 TPD
Panamax	Coking Coal	42,000 TPD
Panamax	Steam Coal	27,000 TPD

2. Transit Storage Dwell Time:

Bulk Cargo

The Transit Storage Dwell Time for coal / coke / mixed dry bulk cargo / liquid cargo shall be calculated, as half of average parcel size of above cargo vessels in a month divided by average disposal of cargo from the port per day as per the following methodology:

$$\text{Average disposal of Cargo per day (A)} = \frac{\text{OB} + \text{Received} / \text{Despatched} - \text{CB}}{\text{No. of days}}$$

OB = Opening Balance, CB = Closing Balance.

$$\text{Average Parcel Sizes (B)} = \frac{P1 + P2 + \dots + Pn}{n(\text{no. of parcels})}$$

P1, P2 Pn are parcel size of each vessel in a month.

$$\text{Transit Storage Time for Bulk Cargo} = 0.5 (B/A)$$

- Import

Coking Coal & Steam Coal: 10 (Ten) days after date of completion of vessel's discharging operation

Performance Evaluation and calculation of liquidated damages:

Performance evaluation shall be made on a quarterly review of the reports furnished by the Concessionaire and / or the records of the Concessionaire and/or by an enquiry by the Concessioning Authority. The Concessionaire shall be liable to pay liquidated damages determined at the rate of 1% (one per cent) of the Gross Revenue of the respective quarter for every shortfall of 10% (ten per cent) in the average performance which shall be assessed in the following manner.

Each Performance Standard is calculated as an average in the manner indicated above. The actual average performance vis-à-vis a standard will be evaluated against the prescribed standard. The shortfall will be computed as a percentage of the prescribed standard. The shortfall in respect of each performance standard will have a weightage assigned to it. The overall shortfall in average performance shall be assessed as the aggregate of the weighted shortfalls in respect of each of the performance standards. For example, if there is a shortfall in Gross Berth Output by x%, Transit Storage Dwell Time by y% and Turn round time for receipt/delivery operations by z% and the weightage assigned to such shortfalls is 0.7, 0.2 and 0.1 respectively, then the overall shortfall in average performance will be $(0.7x + 0.2y + 0.1z)\%$.

APPENDIX 16

ESCROW AGREEMENT

THIS ESCROW AGREEMENT is entered into on this the [•] day of [•] 20[•].

AMONGST

1. M/s. VIZAG GENERAL CARGO BERTH PRIVATE LIMITED a company incorporated under the provisions of the Companies Act, 1956 and having its registered office at SIPCOT INDUSTRIAL COMPLEX, Madurai Bypass Road, T.V. Puram P.O., Tuticorin – 628 002 (hereinafter referred to as the “Concessionaire” which expression shall, unless repugnant to the context or meaning thereof, include its successors, permitted assigns and substitutes);
2. [• (name and particulars of Lenders' Representative)] and having its registered office at [•] acting for and on behalf of the Lenders as their duly authorised agent with regard to matters arising out of or in relation to this Agreement (hereinafter referred to as the “Lenders' Representative” which expression shall, unless repugnant to the context or meaning thereof, include its successors and substitutes);
3. [• (name and particulars of the Escrow Bank)] and having its registered office at [•] (hereinafter referred to as the “Escrow Bank” which expression shall, unless repugnant to the context or meaning thereof, include its successors and substitutes); and
4. BOARD OF TRUSTEES for VISAKHAPATNAM PORT, a body corporate constituted under the provisions of the Major Port Trusts Act, 1963 and having its Administrative Office at VISAKHAPATNAM – 530 035 hereinafter referred to as “the Concessioning Authority” (which expression shall, unless repugnant to the context or meaning thereof, include its successors and permitted assigns);

WHEREAS:

- (A) The Concessioning Authority has entered into a Concession Agreement dated May

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10, 2010 with the Concessionaire (the "Concession Agreement") for undertaking the Project (as defined in the Concession Agreement) on Design, build, finance, operate and transfer (DBFOT) basis. The Lenders have agreed to finance the Project in accordance with the terms and conditions set forth in the Financing Documents.

- (B) The Concession Agreement requires the Concessionaire to establish an Escrow Account, *inter alia*, on the terms and conditions stated therein. NOW IT IS HEREBY AGREED as follows:

1. DEFINITIONS AND INTERPRETATION

1.1 Definitions

In this Agreement, the following words and expressions shall, unless repugnant to the context or meaning thereof, have the meaning hereinafter respectively assigned to them:

"Agreement" means this Escrow Agreement and any amendment thereto made in accordance with the provisions contained herein;

"Budget" means the budget for construction / implementation expenses relating to the Project / Project Facilities and Services and O&M Expenses submitted by the Concessionaire in accordance with the provisions contained herein;

"Concession Agreement" means the Concession Agreement referred to in Recital (A) above and shall include any amendments made thereto in accordance with the provisions contained in this behalf therein;

"Escrow Account" means an escrow account established in terms of and under this Agreement, and shall include any sub accounts thereof;

"Escrow Default" shall have the meaning ascribed thereto in Article 6.1;

"Lenders' Representative" means the person referred to as the Lenders' Representative in the foregoing Recitals;

"Parties" means the parties to this Agreement collectively and "Party" shall mean

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any of the Parties to this Agreement individually;

“**Payment Date**” means, in relation to any payment specified in Article 4.1, the date(s) specified for such payment; and

“**Quarter**” means, any three month period from 1st April to 30th June, 1st July to 30th September, 1st October to 31st December or 1st January to 31st March.

1.2 Interpretation

1.2.1 References to Lenders' Representative shall, unless repugnant to the context or meaning thereof, mean references to the Lenders' Representative, acting for and on behalf of Lenders.

1.2.2 The words and expressions beginning with capital letters and defined in this Agreement shall have the meaning ascribed thereto herein, and the words and expressions used in this Agreement and not defined herein but defined in the Concession Agreement shall, unless repugnant to the context, have the meaning ascribed thereto in the Concession Agreement.

1.2.3 References to Articles are, unless stated otherwise, references to Articles of this Agreement.

1.2.4 The rules of interpretation stated in Articles 1.3, 1.4 and 1.5 of the Concession Agreement shall apply, *mutatis mutandis*, to this Agreement.

2. ESCROW ACCOUNT

2.1 Escrow Bank to act as trustee

2.1.1 The Concessionaire hereby settles in trust with the Escrow Bank a sum of Rs. 100 (Rupees Hundred Only) appoints the Escrow Bank to act as trustee for the Concessioning Authority, the Lenders, the Lenders' Representative and the Concessionaire in connection herewith and authorises the Escrow Bank to exercise such rights, powers, authorities and discretion as are specifically delegated to the Escrow Bank by the terms hereof together with all such rights, powers, authorities and discretion as are reasonably incidental hereto, and the Escrow Bank accepts such appointment pursuant to the terms hereof.



2.1.2 The Concessionaire hereby declares that all rights, title and interest in and to the Escrow Account shall be vested in the Escrow Bank and held in trust for the Concessioneing Authority, the Lenders, the Lenders' Representative and the Concessionaire, and applied in accordance with the terms of this Agreement. No person other than the Concessioneing Authority, the Lenders / Lenders' Representative and the Concessionaire shall have any rights hereunder as the beneficiaries of, or as third party beneficiaries under this Agreement.

2.2 Acceptance of Escrow Bank

The Escrow Bank hereby agrees to act as such and to accept all payments and other amounts to be delivered to and held by the Escrow Bank pursuant to the provisions of this Agreement. The Escrow Bank shall hold and safeguard the Escrow Account during the term of this Agreement and shall treat the amount in the Escrow Account as monies deposited by the Concessionaire, Lenders or the Concessioneing Authority with the Escrow Bank. In performing its functions and duties under this Agreement, the Escrow Bank shall act in trust for the benefit of, and as agent for, the Concessioneing Authority, the Lenders' Representative and the Concessionaire or their nominees, successors or assigns, in accordance with the provisions of this Agreement.

2.3 Establishment and operation of Escrow Account

2.3.1 Within 30 (thirty) Days from the date of this Agreement, and in any case prior to the Date of Award of Concession, the Concessionaire shall open and establish the Escrow Account with the [(name of Branch)] Branch of the Escrow Bank. The Escrow Account shall be denominated in Rupees.

2.3.2 The Escrow Bank shall maintain the Escrow Account in accordance with the terms of this Agreement and its usual practices and applicable regulations, and pay the maximum rate of interest payable to similar customers on the balance in the said account from time to time.

2.3.3 The Concessionaire shall submit to the Escrow Bank a Budget within 7 (seven) Days of the commencement of each Financial Year. Till the pendency of the

financing Documents, such Budget shall be approved by the Lenders/Lenders Representative and thereafter by the Concessioneing Authority.

- 2.3.4 The Escrow Bank and the Concessionaire shall, after consultation with the Lenders' Representative, agree on the detailed mandates, terms and conditions, and operating procedures for the Escrow Account, but in the event of any conflict or inconsistency between this Agreement and such mandates, terms and conditions, or procedures, this Agreement shall prevail.

2.4 Escrow Bank's fee

The Escrow Bank shall be entitled to receive its fee and expenses in an amount, and at such times, as may be agreed between the Escrow Bank and the Concessionaire. For the avoidance of doubt, such fee and expenses shall form part of the operating and maintaining expenses and shall be appropriated from the Escrow Account in accordance with Article 4.1.1 (c).

2.5 Rights of the parties

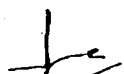
The rights of the Concessioneing Authority, the Lenders (through the Lenders' Representative) and the Concessionaire in the monies held in the Escrow Account are set forth in their entirety in this Agreement and the Concessioneing Authority, the Lenders' and the Concessionaire shall have no other rights against or to the monies in the Escrow Account.

2.6 Substitution of the Concessionaire

The Parties hereto acknowledge and agree that upon substitution of the Concessionaire with the Selectee, pursuant to the Substitution Agreement, it shall be deemed for the purposes of this Agreement that the Selectee is a Party hereto and the Selectee shall accordingly be deemed to have succeeded to the rights and obligations of the Concessionaire under this Agreement on and with effect from the date of substitution of the Concessionaire with the Selectee.

3 DEPOSITS INTO ESCROW ACCOUNT

3.1 Deposits by the Concessionaire



The Concessionaire agrees and undertakes that it shall deposit into and / or credit the Escrow Account with:

- (a) all monies received in relation to the Project from any source, including the Lenders;
- (b) all funds received by the Concessionaire from its share-holders, in any manner or form;
- (c) all Fee levied and collected by the Concessionaire;
- (d) any other revenues from or in respect of the Project / Project Facilities and Services accruing to the Concessionaire including termination payments; and
- (e) all proceeds received pursuant to any insurance claims.

For avoidance of doubt, all amounts received by the Concessionaire in respect of the Project / Project Facilities and Services excepting any amounts in respect of cesses and duties collected by it from the users on behalf of the Concessioneing Authority or such other authority in accordance with the Concession Agreement or pursuant to any other instructions in respect thereof shall be deposited in the Escrow Account.

4. WITHDRAWALS FROM ESCROW ACCOUNT

4.1 Withdrawals during Concession Period

4.1.1 At the beginning of every month, or at such shorter intervals as the Lenders' Representative and the Concessionaire may by written instructions determine, the Escrow Bank shall withdraw amounts from the Escrow Account and appropriate them in the following order by depositing such amounts in the relevant Sub-Accounts for making due payments in a month :

- (a) all taxes due and payable by the Concessionaire;
- (b) towards License Fee;
- (c) all construction / implementation expenses relating to the Project / Project Facilities and Services, in accordance with the Budget and subject to limits if any set out under the Financing Documents;

- (d) all expenses relating to operations and management of the Project / Project Facilities and Services, in accordance with the Budget and subject to limits if any set out under the Financing Documents;
- (e) towards its debt service obligations under the Financing Documents;
- (f) towards Royalty and other sums payable to the Concessioneing Authority and liquidated damages, if any;
- (g) towards any reserve requirements in accordance with the Financing Documents;

and the Concessionaire shall be at liberty to withdraw any sums outstanding in the escrow account after all the aforesaid payments due in any Quarter have been made and / or adequate reserves have been created in respect thereof for that Quarter.

4.1.2 Not later than 60 (sixty) Days prior to the commencement of each Accounting Year, the Concessionaire shall provide to the Escrow Bank, with prior written approval of the Lenders' Representative, details of the amounts likely to be required for each of the payment obligations set forth in this Article 4.1; provided that such amounts may be subsequently modified, with prior written approval of the Lenders' Representative, if fresh information received during the course of the year makes such modification necessary.

4.2 Withdrawals upon end of Concession Period

All amounts standing to the credit of the Escrow Account at the end of the Concession Period including amounts credited to the Escrow Account towards compensation payable in accordance with Article 17 of the Concession Agreement shall be appropriated in the following order of priority:

- (i) towards taxes and statutory dues payable by the Concessionaire;
- (ii) compensation to Lenders in terms of the Financing Documents towards discharge of the Concessionaire's liability under such Financing



Documents;

- (iii) all amounts due to the Concessioneing Authority and amounts payable towards transfer of the Project Facilities and Services by the Concessionaire in accordance with this Agreement;

and the Concessionaire shall be at liberty to withdraw any sums outstanding in the Escrow Account after all the aforesaid payments due have been made and / or adequate reserves have been created in respect thereof to the satisfaction of the Lenders and the Concessioneing Authority and the Escrow Agent has received a confirmation of final settlement by the Lenders and / or Concessioneing Authority.

4.3 Application of insurance proceeds

Notwithstanding anything in this Agreement, the proceeds from all insurance claims, except life and injury, shall be deposited into and / or credited to the Escrow Account and utilized for any necessary repair, reconstruction, reinstatement, replacement, improvement, delivery or installation of the Project / Project facilities and Services, and the balance remaining, if any, shall be applied in accordance with the provisions contained in this behalf in the Financing Documents.

4.4 Withdrawals during Suspension

Notwithstanding anything to the contrary contained in this Agreement, in case the Escrow Bank receives a notice in writing from the Concession Authority that the rights of the Concessionaire are suspended in accordance with the Concession Agreement or a Termination Notice is issued, the Escrow Bank shall until such notice is withdrawn, act only on the instructions of the Concessioneing Authority.

5. OBLIGATIONS OF THE ESCROW BANK

5.1 Segregation of funds

Monies and other property received by the Escrow Bank under this Agreement shall, until used or applied in accordance with this Agreement, be held by the Escrow Bank in trust for the purposes for which they were received, and shall be segregated from other funds and property of the Escrow Bank.

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5.2 Notification of balances

7 (seven) business Days prior to each Payment Date (and for this purpose the Escrow Bank shall be entitled to rely on an affirmation by the Concessionaire and/or the Lenders' Representative as to the relevant Payment Dates), the Escrow Bank shall notify the Lenders' Representative of the balances in the Escrow Account as at the close of business on the immediately preceding business day.

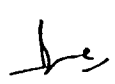
5.3 Communications and notices

In discharge of its duties and obligations hereunder, the Escrow Bank:

- (a) may, in the absence of bad faith or gross negligence on its part, rely as to any matters of fact which might reasonably be expected to be within the knowledge of the Concessionaire upon a certificate signed by or on behalf of the Concessionaire;
- (b) may, in the absence of bad faith or gross negligence on its part, rely upon the authenticity of any communication or document believed by it to be authentic;
- (c) shall, within 5 (five) business Days after receipt, deliver a copy to the Lenders' Representative of any notice or document received by it in its capacity as the Escrow Bank from the Concessionaire or any other person hereunder or in connection herewith; and
- (d) shall, within 5 (five) business Days after receipt, deliver a copy to the Concessionaire of any notice or document received by it from the Lenders' Representative in connection herewith.

5.4 No set off

The Escrow Bank agrees not to claim or exercise any right of set off, banker's lien or other right or remedy with respect to amounts standing to the credit of the Escrow Account. For the avoidance of doubt, it is hereby acknowledged and agreed by the Escrow Bank that the monies and properties held by the Escrow Bank in the Escrow Account shall not be considered as part of the assets of the Escrow Bank and being trust property, shall in the case of bankruptcy or liquidation of the Escrow Bank,



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be wholly excluded from the assets of the Escrow Bank in such bankruptcy c liquidation.

5.5 Regulatory approvals

The Escrow Bank shall use its best efforts to procure, and thereafter maintain and comply with, all regulatory approvals required for it to establish and operate the Escrow Account. The Escrow Bank represents and warrants that it is not aware of any reason why such regulatory approvals will not ordinarily be granted to the Escrow Bank.

6 ESCROW DEFAULT

6.1 Escrow Default

6.1.1 Following events shall constitute an event of default by the Concessionaire (an "Escrow Default") unless such event of default has occurred as a result of Force Majeure or any act or omission of the Concessioneing Authority or the Lenders' Representative:

- (a) the Concessionaire commits breach of this Agreement by failing to deposit / cause the deposit of any receipts into the Escrow Account;
- (b) the Concessionaire causes the Escrow Bank to transfer funds to any account of the Concessionaire in breach of the terms of this Agreement; or
- (c) the Concessionaire commits or causes any other breach of the provisions of this Agreement.

6.1.2 Upon occurrence of an Escrow Default, the consequences thereof shall be dealt with under and in accordance with the provisions of the Concession Agreement.

7. TERMINATION OF ESCROW AGREEMENT

7.1 Duration of the Escrow Agreement

This Agreement shall remain in full force and effect so long as any sum remains to be advanced or is outstanding from the Concessionaire in respect of the debt, guarantee or financial assistance received by it from the Lenders, or any of its obligations to the Concessioneing Authority remain to be discharged, unless

terminated earlier by consent of all the Parties or otherwise in accordance with the provisions of this Agreement.

7.2 Substitution of Escrow Bank

The Concessionaire may, by not less than 45 (forty five) Days prior notice to the Escrow Bank, the Concessioneing Authority and the Lenders' Representative, terminate this Agreement and appoint a new Escrow Bank, provided that the new Escrow Bank is acceptable to the Lenders' Representative and arrangements are made satisfactory to the Lenders' Representative for transfer of amounts deposited in the Escrow Account to a new Escrow Account established with the successor Escrow Bank. The termination of this Agreement shall take effect only upon coming into force of an Escrow Agreement with the substitute Escrow Bank.

7.3 Closure of Escrow Account

The Escrow Bank shall, at the request of the Concessionaire and the Lenders' Representative made on or after the payment by the Concessionaire of all outstanding amounts under the Concession Agreement and the Financing Documents including the payments specified in Article 4.2, and upon confirmation of receipt of such payments, close the Escrow Account and pay any amount standing to the credit thereof to the Concessionaire. Upon closure of the Escrow Account hereunder, the Escrow Agreement shall be deemed to be terminated.

8. SUPPLEMENTARY ESCROW AGREEMENT

8.1 Supplementary escrow agreement

The Lenders' Representative and the Concessionaire shall be entitled to enter into a supplementary escrow agreement with the Escrow Bank providing, inter alia, for detailed procedures and documentation for withdrawals from Escrow Account, creation of sub-accounts pursuant to Article 4.1.1 and for matters not covered under this Agreement such as the rights and obligations of Lenders, investment of surplus funds, restrictions on withdrawals by the Concessionaire in the event of breach of Financing Documents, procedures relating to operation of the Escrow Account and withdrawal therefrom, reporting requirements and any matters

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incidental thereto; provided that such supplementary escrow agreement shall not contain any provision which is inconsistent with this Agreement and in the event of any conflict or inconsistency between provisions of this Agreement and such supplementary escrow agreement, the provisions of this Agreement shall prevail.

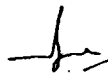
9. INDEMNITY

9.1 General indemnity

9.1.1 The Concessionaire will indemnify, defend and hold the Concessioneing Authority, Escrow Bank and the Lenders, acting through the Lenders' Representative, harmless against any and all proceedings, actions and third party claims for any loss, damage, cost and expense arising out of any breach by the Concessionaire of any of its obligations under this Agreement or on account of failure of the Concessionaire to comply with Applicable Laws and Applicable Permits.

9.1.2 The Concessioneing Authority will indemnify, defend and hold the, Concessionaire harmless against any and all proceedings, actions and third party claims for any loss, damage, cost and expense arising out of failure of the Concessioneing Authority to fulfil any of its obligations under this Agreement materially and adversely affecting the performance of the Concessionaire's obligations under the Concession Agreement or this Agreement other than any loss, damage, cost and expense arising out of acts done in discharge of their lawful functions by the Concessioneing Authority, its officers, servants and agents.

9.1.3 The Escrow Bank will indemnify, defend and hold the Concessionaire harmless against any and all proceedings, actions and third party claims for any loss, damage, cost and expense arising out of failure of the Escrow Bank to fulfil its obligations under this Agreement materially and adversely affecting the performance of the Concessionaire's obligations under the Concession Agreement other than any loss, damage, cost and expense, arising out of acts done in discharge of their lawful functions by the Escrow Bank, its officers, servants and agents.



9.2 Notice and contest of claims

In the event that any Party hereto receives a claim from a third party in respect of which it is entitled to the benefit of an indemnity under Article 9.1 or in respect of which it is entitled to reimbursement (the "Indemnified Party"), it shall notify the other Party responsible for indemnifying such claim hereunder (the "Indemnifying Party") within 15 (fifteen) Days of receipt of the claim and shall not settle or pay the claim without the prior approval of the Indemnifying Party, which approval shall not be unreasonably withheld or delayed. In the event that the Indemnifying Party wishes to contest or dispute the claim, it may conduct the proceedings in the name of the Indemnified Party and shall bear all costs involved in contesting the same. The Indemnified Party shall provide all cooperation and assistance in contesting any claim and shall sign all such writings and documents as the Indemnifying Party may reasonably require.

10. MISCELLANEOUS PROVISIONS

10.1 Governing law and jurisdiction

This Agreement shall be construed and interpreted in accordance with and governed by the laws of India, and the Courts at VISAKHAPATNAM shall have jurisdiction over all matters arising out of or relating to this Agreement.

10.2 Waiver of sovereign immunity

The Concessioneing Authority unconditionally and irrevocably:

- (a) agrees that the execution, delivery and performance by it of this Agreement constitute commercial acts done and performed for commercial purpose;
- (b) agrees that, should any proceedings be brought against it or its assets, property or revenues in any jurisdiction in relation to this Agreement or any transaction contemplated by this Agreement, no immunity (whether by reason of sovereignty or otherwise) from such proceedings shall be claimed by or on behalf of the Concessioneing Authority with respect to its assets;
- (c) waives any right of immunity which it or its assets, property or revenues

now has, may acquire in the future or which may be attributed to it in any jurisdiction; and

- (d) consents generally in respect of the enforcement of any judgment or award against it in any such proceedings to the giving of any relief or the issue of any process in any jurisdiction in connection with such proceedings (including the making, enforcement or execution against it or in respect of any assets, property or revenues whatsoever irrespective of their use or intended use of any order or judgment that may be made or given in connection therewith).

10.3 Priority of agreements

In the event of any conflict between the Concession Agreement and this Agreement, the provisions contained in the Concession Agreement shall prevail over this Agreement.

10.4 Alteration of terms

All additions, amendments, modifications and variations to this Agreement shall be effectual and binding only if in writing and signed by the duly authorised representatives of the Parties.

10.5 Waiver

10.5.1 Waiver by any Party of a default by another Party in the observance and performance of any provision of or obligations under this Agreement:

- (a) shall not operate or be construed as a waiver of any other or subsequent default hereof or of other provisions of or obligations under this Agreement shall not be effective unless it is in writing and executed by a duly authorised representative of the Party; and
- (b) shall not affect the validity or enforceability of this Agreement in any manner.

10.5.2 Neither the failure by any Party to insist on any occasion upon the performance of the terms, conditions and provisions of this Agreement or any obligation



thereunder nor time or other indulgence granted by any Party to another Party shall be treated or deemed as waiver of such breach or acceptance of any variation or the relinquishment of any such right hereunder.

10.6 No third party beneficiaries

This Agreement is solely for the benefit of the Parties and no other person or entity shall have any rights hereunder.

10.7 Survival

10.7.1 Termination of this Agreement:

- (a) shall not relieve the Parties of any obligations hereunder which expressly or by implication survive termination hereof; and
- (b) except as otherwise provided in any provision of this Agreement expressly limiting the liability of either Party, shall not relieve either Party of any obligations or liabilities for loss or damage to the other Party arising out of, or caused by, acts or omissions of such Party prior to the effectiveness of such termination or arising out of such termination.

10.7.2 All obligations surviving the cancellation, expiration or termination of this Agreement shall only survive for a period of 3 (three) years following the date of such termination or expiry of this Agreement.

10.8 Severability.

If for any reason whatever any provision of this Agreement is or becomes invalid, illegal or unenforceable or is declared by any court of competent jurisdiction or any other instrumentality to be invalid, illegal or unenforceable, the validity, legality or enforceability of the remaining provisions shall not be affected in any manner, and the Parties will negotiate in good faith with a view to agreeing to one or more provisions which may be substituted for such invalid, unenforceable or illegal provisions, as nearly as is practicable to such invalid, illegal or unenforceable provision. Failure to agree upon any such provisions shall not be subject to dispute

10.9 Successors and assigns

10.10 Notices

-Ltd

Fax No. _____

Email: _____

The Escrow Bank:

_____ Ltd

Fax No. _____

Email: _____

or such other address, telex number, or facsimile number as may be duly notified by the respective Parties from time to time, and shall be deemed to have been made or delivered (i) in the case of any communication made by letter, when delivered by hand, by recognized international courier or by mail (registered, return receipt requested) at that address and (ii) in the case of any communication made by telex or facsimile, when transmitted properly addressed to such telex number or facsimile number.

10.11 Language

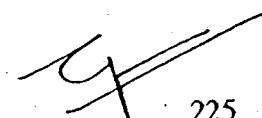
All notices, certificates, correspondence and proceedings under or in connection with this Agreement shall be in English.

10.12 Authorised representatives

Each of the Parties shall, by notice in writing, designate their respective authorised representatives through whom only all communications shall be made. A Party hereto shall be entitled to remove and/or substitute or make fresh appointment of such authorised representative by similar notice.

10.13 Original Document

This Agreement may be executed in four counterparts, each of which when executed and delivered shall constitute an original of this Agreement.



IN WITNESS WHEREOF THE PARTIES HAVE EXECUTED AND DELIVERED
THIS AGREEMENT AS OF THE DATE FIRST ABOVE WRITTEN.

SIGNED, SEALED AND DELIVERED
For and on behalf of CONCESSIONAIRE by:

(Signature):

(Name):

(Designation): Authorised Signatories

(Address):

(Fax No.):

SIGNED, SEALED AND DELIVERED

For and on behalf of LENDERS by the Lenders' Representative:

(Signature)

(Name)

(Designation)

(Address)

(Fax No.)

SIGNED, SEALED AND DELIVERED

For and on behalf of ESCROW BANK by:

(Signature)

(Name)

(Designation)

(Address)

(Fax No.)

SIGNED, SEALED AND DELIVERED

For and on behalf of Concessioning Authority by:

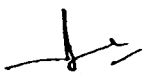
(Signature)

(Name)

(Designation)

(Address)

(Fax No.)



APPENDIX 17

PRE-CONTRACT INTEGRITY PACT

General:

This Integrity Pact is made on this the -----day of -----2010 between

1. The Board of Trustees for Visakhapatnam Port Trust a body corporate constituted under MPT Act, 1963 (hereinafter referred to as the Concessioneing Authority and the first party) represented by its Secretary and Attorney of the Board which expression shall unless repugnant to the context shall mean and include all its succession, assignees etc., on one part,
And
M/s VIZAG GENERAL CARGO BERTH PRIVATE LIMITED represented by, -----
(hereinafter referred to as the Concessionaire) which expression shall unless repugnant to the context shall mean and include all its succession, assignees etc., on the other part.
2. Whereas the Concessionaire is a Special Purpose Vehicle constituted in accordance with the relevant law in the matter and the Concessioneing Authority is a Major Port Trust under Ministry of Shipping, the Government of India and whereas the Concessionaire (2nd party) was shortlisted and identified in the bid process to provide/ offer certain services detailed in the bid documents to the Concessioneing Authority (1st party).

Objectives:

3. Now, therefore, the Concessioneing Authority and the Concessionaire agree to enter into this pre-contract agreement, hereinafter referred to as Integrity Pact, to avoid all forms of corruption by following a system that is fair, transparent and free from any influence / unprejudiced dealings prior to, during and subsequent to the currency of the contract to be entered into with a view to:-

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- 3.1 Enabling the Concessioneing Authority to obtain the desired services in conformity with the defined specifications by avoiding the high cost and the distortionary impact of corruption on port services, and
- 3.2 Enabling Concessionaire to abstain from bribing or any corrupt practice in order to secure the contract by providing assurance to them that their competitors will also refrain from bribing and other corrupt practices and the Concessioneing Authority will commit to prevent corruption, in any form, by their officials by following transparent procedures.

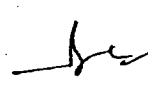
Commitments of the Concessioneing Authority

4. The Concessioneing Authority Commits itself to the following:-
- 4.1 The Concessioneing Authority undertakes that no official of the Concessioneing Authority, connected directly or indirectly with the contract, will demand, take a promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favour or any material or immaterial benefit or any other advantage from the Concessionaire, either for themselves or for any person, organization or third party related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the Contract.
- 4.2 The Concessioneing Authority will, during the pre-contract stage, treat all Concessionaires alike, and will provide to all Concessionaires the same information and will not provide any such information to any particular Concessionaire which could afford an advantage to that particular Concessionaire in comparison to other Applicants.
- 4.3 All the officials of the Concessioneing Authority will report to the appropriate Government office any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach.
5. In case of any such preceding misconduct on the part of such official(s) is reported by the Concessionaire to the Concessioneing Authority with full and verifiable facts and the same is *prima facie* found to be correct by the Concessioneing Authority, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be

initiated by the Concessioneing Authority and such a person shall be debarred from further dealings related to the contract process. In such a case while an enquiry is being conducted by the Concessioneing Authority the proceedings under the contract would not be stalled.

Commitments of Concessionaires

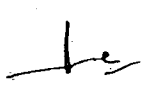
6. The Concessionaire commits himself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of his bid or during any pre-contract or post-contract stage in order to secure the contract or in furtherance to secure it and in particular commits himself to the following:-
 - 6.1 The Concessionaire will not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the Concessioneing Authority, connected directly or indirectly with the bidding process, or to any person, organization or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the Contract.
 - 6.2 The Concessionaire further undertakes that he has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the Concessioneing Authority or otherwise in procuring the Contract or forbearing to do or having done any act in relation to the obtaining or execution of the Contract or any other Contract with the Government for showing or forbearing to show favour or disfavour to any person in relation to the Contract or any other Contract with the Government.
 - 6.3 The Concessionaire will not collude with other parties interested in the contract to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract.
 - 6.4 The Concessionaire will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.



- 6.5 The Concessionaire further confirms and declares to the Concessioneing Authority that the Concessionaire is the original manufacturer / integrator / authorised government sponsored export entity of the defence stores and has not engaged any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to the Concessioneing Authority or any of its functionaries, whether officially or unofficially to the award of the contract to the Concessionaire, nor has any amount been paid, promised or intended to be paid to any such individual, firm or company in respect of any such intercession, facilitation or recommendation.
- 6.6 The Concessionaire, either while presenting the bid or during pre-contract negotiations or before signing the contract, shall disclose any payments he has made, is committed to or intends to make to officials of the Concessioneing Authority or their family members, agents, brokers or any other intermediaries in connection with the contract and the details of services agreed upon for such payments.
- 6.7 The Concessionaire shall not use improperly, for purposes of competition or personal gain, or pass on to others, any information provided by the Concessioneing Authority as part of the business relationship, regarding plans, technical proposals and business details, including information contained in any electronic data carrier. The Concessionaire also undertakes to exercise due and adequate care lest any such information is divulged.
- 6.8 The Concessionaire commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.
- 6.9 The Concessionaire shall not instigate or cause to instigate any third person to commit any of the actions mentioned above.

7. **Previous Transgression**

- 7.1 The Concessionaire declares that no previous transgression occurred in the last three years immediately before signing of this Integrity Pact, with any other company in any country in respect of any corrupt practices envisaged hereunder or with any Public Sector Enterprise in India or any Government Department in India, that could justify Concessionaire's exclusion from the tender process.



- 7.2 If the Concessionaire makes incorrect statement on this subject, Concessionaire can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

8. Earnest Money / Security Deposit

- 8.1. Every Concessionaire, while submitting commercial bid, shall deposit an amount* as specified in the RFP as Earnest Money / Security Deposit, with the Concessioneing Authority through any of the following instruments.

(i) The Bidder shall furnish as part of its Bid, a certified true copy (signed by a Director) of the Bid Security herein above in the form of a bank guarantee issued by a nationalised bank, or a Scheduled Bank in India having a net worth of at least Rs. 1,000 crore, in favour of the Authority in the format at Appendix – II (the “Bank Guarantee”) and having a validity period of not less than 180 days from the Bid Due Date, as may be extended by the Bidder from time to time. The Bank Guarantee that is required to be submitted by the Bidder shall be sent in original to the Authority directly by the issuing Bank vide Registered post. In case the Bank Guarantee is issued by a foreign bank outside India, confirmation of the same by any nationalised bank in India is required. For the avoidance of doubt, Scheduled Bank shall mean a bank as defined under Section 2(e) of the Reserve Bank of India Act, 1934.

(ii) Bid Security can also be in the form of a demand draft issued by a Scheduled Bank in India, drawn in favour of the Authority and payable at Visakhapatnam (the “Demand Draft”). The Authority shall not be liable to pay any interest on the Bid Security deposit so made and the same shall be interest free.

(iii) Any other mode or through any other instrument, as stated in RFP.

* The Bidder shall deposit a Bid Security equivalent to [about 1% (one per cent)] of the Estimated Project Cost, i.e Rs.44.41 (Rupees Forty-four decimal four one million only) million, in accordance with the provisions of this RFP. The Bidder has the option to provide

the Bid Security either as a Demand Draft or in the form of a Bank Guarantee, acceptable to the Authority

8.2 In the case of successful Concessionaire a clause would also be incorporated in the Article pertaining to Performance Bond in the Purchase Contract that the provisions of Sanctions for Violation shall be applicable for forfeiture of Performance Bond in case of a decision by the Concessioneing Authority to forfeit the same without assigning any reason for imposing sanction for violation of this pact.

8.5 The provisions regarding Sanctions for Violation in Integrity Pact include forfeiture of Performance Bond in case of a decision by the Concessioneing Authority to forfeit the same without assigning any reason for imposing sanction for violation of Integrity Pact.

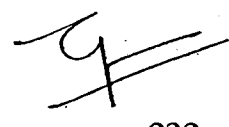
8.6 No interest shall be payable by the Concessioneing Authority to the Concessionaire(s) on Earnest Money / Security Deposit for the period of its currency.

9. **Company Code of Conduct**

9.1 Concessionaires are also advised to have a company code of conduct (clearly rejecting the use of bribes and other unethical behavior) and a compliance program for the implementation of the code of conduct throughout the company.

10. **Sanctions for Violation**

10.1 Any breach of the aforesaid provisions by the Concessionaire or any one employed by him or acting on his behalf (whether with or without the knowledge of the Concessionaire) or the commission of any offence by the Concessionaire or any one employed by him or acting on his behalf, as defined in Chapter IX of the Indian Penal Code, 1860 or the Prevention of Corruption Act 1988 or any other act enacted for the prevention of corruption shall entitle the Concessioneing Authority to take all or any one of the following actions, wherever required:-



- (i) To immediately call off the pre-contract negotiations without assigning any reason giving any compensation to the Concessionaire. However, the proceedings with other Concessionaire(s) would continue.
- (ii) The Earnest Money / Security Deposit / Performance Bond shall stand forfeited either fully or partially, as decided by the Concessions Authority and the Concessionaire. Authority shall not be required to assign any reason therefore.
- (iii) To immediately cancel the contract, if already signed, without giving any compensation to the Concessionaire.
- (iv) To recover all sums already paid by the Concessions Authority, and in case of an Indian Concessionaire with interest thereon at 2% higher than the prevailing Prime Lending Rate, while in case of a Concessionaire from a country other than India with interest thereon at 2% higher than the LIBOR. If any outstanding payment is due to the Concessions Authority from the Concessionaire in connection with any other contract, such outstanding payment could also be utilized to recover the aforesaid sum and interest.
- (v) To encash the advance bank guarantee and performance bond, if furnished by the Concessionaire, in order to recover the payments, already made by the Concessions Authority, along with interest.
- (vi) To cancel all or any other Contracts with the Concessionaire.
- (vii) To debar the Concessionaire from entering into any bid from any of the Major Ports in India for a minimum period of five years, which may be further extended at the discretion of the Concessions Authority.
- (viii) To recover all sums paid in violation of this Pact by Concessionaire to any middleman or agent or broker with a view to securing the contract.
- (ix) If the Concessionaire or any employee of the Concessionaire or any person acting on behalf of the Concessionaire, either directly or indirectly, is closely related to any of the officers of the Concessions Authority, or alternatively, if any close relative of an

officer of the Concessioneing Authority has financial interest/stake in the Concessionaire's firm, the same shall be disclosed by the Concessionaire at the time of filing of tender. Any failure to disclose the interest involved shall entitle the Concessioneing Authority to rescind the contract without payment of any compensation to the Concessionaire.

The term 'close relative' for this purpose would mean spouse whether residing with the Government servant or not, but not include a spouse separated from the Government servant by a decree or order of a competent court; son or daughter, or step son or step daughter and wholly dependent upon Government servant, but does not include a child or step child who is no longer in any way dependent upon the Government servant or of whose custody the Government servant has been deprived of by or under any law; any other person related, whether by blood or marriage, to the Government servant or to the Government servant's wife or husband and wholly dependant upon Government servant.

- (x) The Concessionaire shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of the Concessioneing Authority, and if he does so, the Concessioneing Authority shall be entitled forthwith to rescind the contract and all other contracts with the Concessionaire. The Concessionaire shall be liable to pay compensation for any loss or damage to the Concessioneing Authority resulting from such rescission and the Concessioneing Authority shall be entitled to deduct the amount so payable from the money(s) due to the Concessionaire.
- (xi) In cases where irrevocable Letters of Credit have been received in respect of any contract signed by the Concessioneing Authority with the Concessionaire, the same shall not be opened.

10.2 The decision of the Concessioneing Authority to the effect that a breach of the provisions of this Integrity Pact has been committed by the Concessionaire shall be final and binding on the Concessionaire, however, the Concessionaire can approach the monitor(s) appointed for the purposes of this Pact.



11. Fall Clause

- 11.1 The Concessionaire shall strive to accord the most favoured customer treatment to the Concessioneing Authority in respect of all matters pertaining to the present case.

12. Independent Monitors

- 12.1 The Concessioneing Authority will appoint Independent Monitors for this Pact, in consultation with the Central Vigilance Commission.

- 12.2 As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform Chairman., Visakhapatnam Port Trust under Ministry of Shipping, Government of India.

13. Examination of Books of Accounts

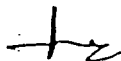
In case of any allegation of violation of any provisions of this Integrity Pact or payment of commission, the Concessioneing Authority or its agencies shall be entitled to examine the Books of Accounts of the Concessionaire and the Concessionaire shall provide necessary information of the relevant financial documents in English and shall extend all possible help for the purpose of such examination.

14. Law and Place of Jurisdiction

This Pact is subject to Indian Law. The place of performance and jurisdiction is the seat of the Concessioneing Authority i.e. Visakhapatnam, Andhra Pradesh.

15. Other Legal Actions

The actions stipulated in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.



16. Validity

16.1 The validity of this Integrity Pact shall be from date of its signing and extend up to 30 years or the complete execution of the contract to the satisfaction of both the Concessioneing Authority and the Concessionaire, whichever is later.

16.2 Should one or several provisions of this Pact turn out to be invalid, the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

17. The Parties hereby sign this Integrity Pact at Visakhapatnam on _____

CONCESSIONING AUTHORITY

CHAIRMAN

VISAKHAPATNAM PORT

VISAKHAPATNAM

Fax No: _____

Email: _____

CONCESSIONAIRE

M/s. VIZAG GENERAL CARGO BERTH PRIVATE LIMITED
SIPCOT INDUSTRIAL COMPLEX,

MADURAI BYPASS ROAD,

Fax No. 91461 2340203

Email: M.siddiqi@vedanta.co.in

Witness

1. _____

2. _____

Witness

1. _____

2. _____